CITY DOCUMENTS.

MAYOR'S ADDRESS

TO THE CITY COUNCIL,

CITY GOVERNMENT,

ANNUAL REPORTS, ETC.,

For the Year 1892-93.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

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1893—CITY DOCUMENT NO. 1.

ADDRESS

OF

JETHRO C. BROCK,

Mayor of New Bedford,

TO THE

CITY COUNCIL,

January 2, 1893.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

ADDRESS.

Gentlemen of the City Council:

Having qualified as members of the City Government, we have assumed a most important trust. The citizens have, by a vote larger than ever before given, placed the interests of the city in our charge for the present municipal year, and this unprecedented vote should serve to indicate to us the rapid growth of the city and the greatly increased responsibility resting on its government.

FINANCIAL.

The statements to follow, kindly furnished by the City Treasurer, to which I particularly call your attention, are naturally arranged under the following heads, viz.: taxes, receipts and expenditures, appropriations general and special for the year, and municipal debt, together with an account showing our present standing in regard to the debt limit.

TAXES.

The assessments for the year were as follows:

State tax,	$31,377.50
County tax,	54,410.26
City appropriations,	606,700.00

Overlay,	$27,976.40
	$720,464.16
Collections,	696,359.74
Balance uncollected,	$24,104.42

The credits to the Collector are as follows:

Paid State tax,	$31,377.50
Paid county tax,	54,410.26
Paid City Treasurer,	576,097.66
Discounts and abatements,	34,474.32
Total credits,	$696,359.74

About $96\frac{66}{100}$ per cent. of the whole tax, as assessed for 1892, has been paid to this date.

The State and county taxes, amounting in the aggregate to $85,787.76, were as usual very large, being nearly one-ninth of the whole levy, and $11,943.36 in excess of 1891.

Of the taxes of 1891 and previous years, the collections amounted to $12,029.83.

The net amount paid by the national banks of this city for taxes in 1892 was $92,937.96,—$43,410.31 of which was included in the receipts by the Collector of Taxes, and the balance, $49,527.66, paid to the State Treasurer.

The receipts from the Commonwealth were as follows:

Corporation taxes of 1892,	$67,109.14
Taxes from national banks out of the city,	3,182.02
Tax on ships in foreign trade,	1,244.08
Total,	$71,535.24

This sum will appear as a part of the receipts in the Treasurer's statement.

RECEIPTS AND EXPENDITURES.

The receipts and expenditures for the year, including balance in the treasury, Jan. 4, 1892, have been as follows:

Balance, Jan. 4, 1892,		$15,112.12
Receipts from Collector of Taxes:		
Taxes, 1892,	$575,157.87	
" 1891,	7,885.75	
" 1890,	3,711.42	
" 1889,	361.66	
" 1888,	71.00	
Receipts from other sources,	1,191,829.44	1,779,017.14
Total receipts, including balance,		$1,794,129.26
Expenditures, per warrants of the Mayor,		1,785,964.39
Balance, Jan. 2, 1893,		$8,164.87

The receipts for water rates are included in the foregoing statement.

Amount received for rates for year ending Dec. 1, 1892,	$83,872.55
Amount received for rates for year ending Dec. 1, 1891,	78,389.92
Increase for the year,	$5,482.63

APPROPRIATIONS.

The appropriations, general and special, for the year past have been as follows:

General appropriations,		$606,700.00
Special appropriations:		
Board of Health,	$21,000.00	
Cedar Grove Street school house,	24,082.50	
Cemeteries,	7,495.75	
City stable tool house,	7,150.00	
Engine house No. 5,	7,400.00	
Fire Department,	9,500.00	
Grove School park,	8,100.00	
Highway Department,	10,871.03	

Incidentals,	$14,871.65	
Kempton Street school house,	49,032.00	
Lighting the streets,	4,200.00	
Park funds,	100,000.00	
Police Department,	18,500.00	
Police station and ward room, Blackmer and South Water streets,	10,164.80	
Poor Department,	6,000.00	
Printing, binding, and stationery,	2,100.00	
Public schools—Incidentals,	5,000.00	
Pay of teachers,	26,500.00	
Repairs of buildings,	5,000.00	
Repairs of city property,	2,440.00	
Salaries,	5,000.00	
Sewers—General account,	16,200.00	
Construction account,	84,025.51	$444,633.24
Total for 1892,		$1,051,333.24
Special appropriations as above,		$444,633.24
Deduct from this sum:		
Balance of unappropriated funds,	$71,197.14	
Park bonds sold,	100,000.00	
Corporation taxes 1892 due,	5,400.00	176,597.14
Amount to be provided for in 1893,		$268,036.10
An excess over 1891 of		$107,165.00

MUNICIPAL DEBT.

The debt of the city at this date is as follows:

Water bonds 7s,	$100,000.00	
Water bonds 6s,	240,000.00	
Water bonds 5s,	100,000.00	
Water bonds 4s,	120,000.00	$560,000.00
Park loan 4s,		100,000.00
Sewer bonds 4s,	$283,000.00	
Sewer bonds 3½s,	75,000.00	
Improvement bonds 6s,	203,000.00	
Improvement bonds 3½s,	140,000.00	
Improvement bonds 4s,	225,000.00	926,000.00
Bonds outstanding,		$1,586,000.00

The trust funds are as follows:

Sylvia Ann Howland bequest,	$100,000.00	
George O. Crocker bequest,	10,000.00	
Library funds, other than above,	6,100.00	
Cemetery funds, care of lots,	21,644.93	
Jonathan Bourne prize fund,	1,000.00	$138,744.93
		$1,724,744.93
Temporary debt,	$180,000.00	
Balance of special appropriations,	88,036.10	268,036.10
Gross city debt,		$1,992,781.03

Deductions.

Balance of cash, Jan. 2, 1893,	$8,164.87	
Due for State and military aid,	9,768.00	
Balance due for corporation tax,	5,400.00	
Taxes collectable,	23,000.00	
Sewer taxes due,	30,000.00	
Sinking funds,	208,324.77	284,657.64
Net city debt,		$1,708,123.39
Deduct from this sum:		
Water debt,	$660,000.00	
Park loan,	100,000.00	760,000.00
Net debt, less water and park loan,		$948,123.39

Under Chapter 312 of the Acts of the Legislature of 1885, entitled "An Act to Limit Municipal Debt," the limit of indebtedness of cities (exclusive of water debt) was fixed at 2½ per cent. on the average of the assessors' valuation of the taxable property therein for the three previous years.

By an act of the Legislature passed one year ago, $100,000, appropriated by our City Council for park purposes, was made exempt, as shown above.

Jan. 2, 1893, limit of debt,	$962,875.00
Net debt, exclusive of water and park loan,	948,123.39
Short of debt limit,	$14,751.61

The average valuation for the three previous years is $38,515,000.

At this time we are but $14,000 short of our debt limit, a very small sum. If the Legislature were to increase our debt limit to at least three per cent., that would place us in a position to increase our limit about $206,575.

It will be noticed also that we are confined to $12 per thousand in appropriation for city purposes. That will give to us but $462,000 under the present valuation, while we actually require at least $525,000, or about $13.50 per thousand. To make this increase on our present valuation, the taxes would not be much increased over last year, as the money would be raised on the value of 1893, which should be increased very materially over 1892. I would, therefore, recommend that measures be taken at once to procure this through the Legislature at an early date.

The Attorney General recently gave an opinion that temporary loans in anticipation of the taxes should be included as a part of our debt in making up the debt limit. The funds are borrowed, to be paid when the taxes for the year are collected. If the opinion is correct, not over ten cities out of the thirty in the Commonwealth could borrow a dollar after the loan has been negotiated.

I would recommend that the City Council apply for legislation excluding debts incurred in the way of a temporary loan in anticipation of taxes, from the operation of the

laws relative to debt limit, which action, I am advised, will be taken this year in many other cities of the Commonwealth.

ASSESSORS.

This department is one of the most important, and, in a city like ours, with a population already aggregating fifty thousand and rapidly increasing, with its vast wealth, its large and varied business enterprises, requires men of eminent ability, large experience, and great firmness. The pay should be so liberal as to make the office attractive. The poorest kind of economy is often practiced in the payment of small salaries.

The plotting system, suggested several years since by the late David B. Willcox, and which at that time met with but little favor, has been commenced within the last two years, and seems to meet public approval. This is a step in the right direction, but only a step. Every effort should be made to equalize taxation, and care should be exercised that the great mass of the community, the men of limited means, who have struggled for years to secure a home, should not bear more than their just proportion of the burden.

I would suggest for your consideration an increase of pay in this office, also the seeking of such legislation as shall place the selection of assessors with the City Council, either by election or by nomination and confirmation, as may be deemed best, but in similar manner as in the case of other departments. Any change, however, in my opinion, should not go into effect earlier than the commencement of the following municipal year.

NEW BEDFORD WATER WORKS.

The annual Report of the New Bedford Water Board will soon appear in printed form for your inspection. You will find it to be a comprehensive statement regarding all details of the work of the past year. In common with other departments, it feels the result of our present prosperity by the large increase in the calls for new supplies in every direction. Sixty-eight petitions for extension of distributing mains have been granted, requiring the placing of 20,695 feet of pipe, and 397 service supplies have been added. The amount of water consumed during the year has been 1,591,328,539 gallons, which amount shows an increase of about 4½ per cent. over the figures of 1891. In 1887 a special appropriation of $20,000 was placed to the credit of this department to enable the mains to be extended to Lund's corner. Since that time it has received by action of the City Government none other than the regular yearly appropriation required by the terms of the city ordinance. During the past two years there has been contrituted $36,200 ($25,600 in 1891, $10,600 in 1892) from the funds of the department towards the extinguishing of the water debt. This is a good showing at the present time, but I am informed that the capacity of the works will not admit of a long continuance of this apparently good condition. The rapid growth of this community has created an enormous increase in the volume of water required for operations in every direction. It may soon become necessary to make provision for obtaining a much larger amount than can now be supplied by the only conduit which connects the storing reservoir

at Long Plain with this city. The continued increase of the amount required warns us that the margin of safety is being rapidly approached. That point once reached, and the placing of an additional conduit becomes an imperative necessity. The required appropriation will be large. It could not be otherwise when we consider the magnitude of the work. But there seems to be no alternative, for water and plenty of it must be had, as upon this commodity far more than any other public operation depends the future growth and prosperity of our city.

BOARD OF PUBLIC WORKS.

There is perhaps no department in the city to which the attention of the citizens has been more directed than to this Board. Its establishment was felt to be a marked departure from the system of management that had prevailed here since the incorporation of the city. The extensive powers given it, and its freedom from that control of the City Council to which other departments were subject, was regarded as an objection, and the next Legislature sought to create some degree of control in the City Council by adding the Mayor and President of the Common Council to its membership, upon the view, doubtless, that with the presence in the Board of presiding officers of both branches of the City Council such control might to some extent be afforded. Whether this change has had the intended result may admit of some doubt, and the opinion is still entertained that more control by the City Council should be afforded. The Board has now been in operation for nearly four years, and ample opportunity has thus been

furnished to ascertain the success of its workings and its utility to the city. It has been composed of gentlemen of standing and experience, who have given without compensation their time and energy to its management, and much useful information has been acquired. If the benefit to the city which was expected from its establishment has not been obtained, the cause must be sought elsewhere than in its management. The yearly expenditures by the Board have increased, and during the present year have reached the sum of $234,746.54, being more than one-half of the total sum of $439,000 which the law permitted to be raised for the entire annual necessities of the city. This power to make expenditures and create obligations for the city to meet, without previous sanction of the City Council, is felt by many as a serious objection. It is urged that a proper government for the city requires that the power of ascertaining the special and relative needs of the respective departments and of distributing the sum which the law permits to be annually raised for these purposes, ought to reside in the City Council alone, which is yearly elected by the votes of the citizens, and directly responsible to the people for the manner in which they discharge their duties and disburse the public moneys. One result of this power in the Board, independent of the Council, to determine what are its needs and what expenditures it will make, without reference to the relative claims of other departments, is that, after the Council has assigned to the Board of Public Works that portion of the annual tax levy which its necessities, in view of the relative needs of other departments, will justify, the Council is called

subsequently to provide money to meet additional expenditures of the Board, either by transfer from the appropriations of other departments, or incurring permanent debts, or by special appropriations, which if not met during the current year remain to diminish the money needed for the necessary purposes of the city during the next year.

The importance of these objections and the earnestness with which they are urged, make it apparent that they should receive the early attention of the City Council, that whatever the interests of the city require in this matter should be promptly attended to, which possibly may be met by making it more distinctly an executive Board.

I have not thought it well to worry you with statistics of the vast amount of work performed by the Board, but respectfully refer you to their annual Report for such information as may be of value in guiding you in your work.

CITY HALL.

During the past year the subject of a new public building has been discussed, and several plans have been obtained.

While every one at all acquainted with the needs of the city, and the utter inadequacy of the present structure, must admit the desirability of a new building, yet under the present financial condition of the city I have no suggestion to offer.

PUBLIC SCHOOLS.

The importance of the School Department in any city cannot be overestimated, both from the social interests involved and the large amount of money required each year with which to administer it effectively. It reaches out into the homes of citizens of every class, and takes charge of their children for a number of hours each day throughout a great portion of the year. This is done in the name and for the welfare of the State, another name for the public.

It becomes the duty, therefore, of the public to provide healthful and pleasant surroundings for these children while they are being fitted for citizenship. Also teachers who are thoroughly qualified, mentally and morally, to train and instruct them. This requires large expenditures and wise administration. The School Department of this city is administered with due regard to economy, but with a liberality that is mindful of the highest interests of the schools.

I am indebted to the Superintendent for the following information:

The expenditures for the past year have been $141,900. This amount includes the sums expended for supervision, pay of teachers and janitors, for text-books, supplies, and other incidentals, for repairs and alterations of school buildings, except the alteration of the Cedar Grove Street school house, but it does not include the amount expended for new buildings.

One new six-room building is now being built on Pleasant street which will be ready for occupancy by

September, 1893. This building is designed to supplant the William Street school house, which is neither adequate nor well adapted to school purposes. It is also to furnish rooms for the extension of manual training in the school curriculum. This building will be a useful adjunct to the effective power of the schools. The enlargement of the Cedar Grove Street school house from an eight to a thirteen-room building (this building will probably be completed by the beginning of the next Spring term) will provide five additional rooms for that section. These additional rooms may be adequate to the growth of the school population in that neighborhood for some time to come; but it is impossible to compute at this time the increase in the number of school children consequent to the operation of the new mills now being built in that quarter.

The school buildings in the northwest portion of the city are now more than full, one class being quartered in a church on Weld street, and either an enlargement of the Linden Street school house or the erection of a new building somewhat further to the northwest will be a necessity soon, if the population increases in that direction.

The Fourth Street and Acushnet Avenue school houses are already taxed to their utmost capacities. The two basement rooms in the Acushnet Avenue school house, in which the light and ventilation are not the best, are already filled with pupils, and one class of thirty is quartered in one of the passageways. The Fourth Street school house is old and not well ventilated, and to relieve that section either the present building should be enlarged, or, what would be far better, torn down and a more commodious

and more suitable one erected on this lot. The pressure here demands immediate attention.

The school buildings in the extreme south and southwest parts of the city are also well taxed even now to meet the demands made upon them. An attic room in the Thompson Street school house and part of the hall in the I. W. Benjnmin school is the sum of the room that remains to meet the expansion of the school population in that section, while the Dartmouth Street school house is now fully occupied.

It is evident that the school accommodations already provided have barely kept pace with the rapid growth of the city. Its continued growth means an immediate consideration of future demands in this department. The average number of pupils daily enrolled in the public schools of the city is about fifteen hundred more than five years ago. Were it not that some of the increase in the school population during this time has been provided for in private institutions, the gain in enrollment would have been much larger.

As each year, therefore, adds three hundred pupils at least to the number of scholars to be provided for, the expenditures must increase along more lines than one. The impulse of the age is felt in the schools as it is in all professional and business pursuits of the day. The demands which are made to keep our schools abreast of the times may appear burdensome to some, but there can be nothing of more vital importance to a community than the education and training of its youth for the pursuits of life.

In the supplying of school accommodations, we should

keep up with the increase of population. In this we shall receive the indorsement and approval of the citizens.

In the building of new school houses it should be the aim to make them as convenient internally as possible, and furnished with every known improvement to further education, while externally they should be plain and simple. School houses are not the places for costly architectural display. This should be left to private enterprise.

NEW BEDFORD AND FAIRHAVEN BRIDGE.

A movement has recently been started in favor of widening and improving this antiquated structure. A city of the present and prospective size of New Bedford, with its large business and railroad interests with Fairhaven and the Cape district, requires and should have as commodious and modern a structure as exists in any portion of the State, and I invite your attention to the subject, with the hope that you will give it such encouragement and assistance as may be in your power, being careful, however, to properly protect the interests of the city.

BOARD OF HEALTH.

The experience during the past year with the smallpox epidemic has served to illustrate to our citizens the value of a Board composed of men prompt and fearless to act in an emergency; and with the possibility of the appearance of cholera during the coming summer, I believe that the fact that we have an efficient Board will have the effect to relieve apprehension.

In this connection I would urge the continued investigation into the merits of the various methods of disposing of garbage, and I hope it may soon result in the adoption of some crematory system.

THE LIQUOR LAW.

Under the present system of local option, each year the voters have the privilege of saying what the policy of the city shall be.

In the election of 1891 they decided that from May, 1892, to May, 1893, no licenses should be granted, and it therefore becomes the duty of the Police Department to stop the sale of liquor until that date, except so far as it may be authorized by law.

At the last election they decided to change this policy, and by their vote authorized the Aldermen to grant such number of licenses as the interest of the city may require.

The present vacillating system of dealing with this problem by local option is most unfortunate. Its only redeeming feature is the constant agitation of the subject, and consequent education of the people, which I trust will, in the near future, lead to some fixed and universal system throughout the Commonwealth.

THE POLICE DEPARTMENT.

With a firm confidence on the part of both officers and men that they will be heartily sustained in the faithful discharge of duty, and heeding public sentiment as expressed at the last municipal election, I hope soon to see this important department regain public confidence.

In assuming the position of the responsible head of this department, I do it, mindful of the fact that at the recent election the main issue was the faithful enforcement of the laws, especially those relating to the illegal sale of liquor. I shall endeavor to meet the expectations of the people by that faithful and vigilant performance of duty which the public is entitled to require.

I would recommend an increase in the pay of the Chief of Police, the emoluments of the office being much less now than they were fifteen years ago, when the city was only about half its present size.

CONCLUSION.

In accepting the positions to which we have been elected, we have said that our time and best efforts are at the service of the city. Let us fulfill this agreement and endeavor to make this administation equal to the expectation of those who, by their confidence, as expressed by their votes, have placed us in office.

It was once said on a public occasion by the late Attorney General Marston, that New Bedford was the best governed city in the Commonwealth. I hope by a firm trust in the Divine Ruler, and steady devotion to duty on our part, she may be worthy this honorable distinction.

CITY GOVERNMENT.

1893.

MAYOR.

HON. JETHRO C. BROCK.

ALDERMEN.

Ward 1—GEORGE F. BRIGHTMAN.
Ward 2—HARRY C. JENNEY.
Ward 3—FRANK C. BARROWS.
Ward 4—JOHN DUFF.
Ward 5—HENRY H. CRAPO.
Ward 6—OLIVER W. COBB.

CITY CLERK.

DANIEL B. LEONARD.

CITY TREASURER AND COLLECTOR OF TAXES.

JAMES H. HATHAWAY.

CITY AUDITOR.

GEORGE W. PARKER.

CITY MESSENGER.

AUGUSTUS D. PIPER.

COMMON COUNCIL.

PRESIDENT—SAMUEL C. HART.

Ward One.

HENRY T. ASHLEY,
JAMES H. BAMFORD,
EDGAR H. GAMMONS,
MARTIN H. SULLIVAN.

Ward Two.

JOHN E. GIBBS,
JAMES McFARLIN,
EDWARD G. REYNOLDS,
HARRY W. TABOR,

Ward Three.

ALFRED G. ALLEY, JR.,
JOHN H. BARROWS,
LEMUEL W. HAYES,
JAMES L. HUMPHREY, JR.

Ward Four.

CLIFTON W. BARTLETT.
HENRY C. COOK,
LEMUEL LeB. HOLMES,
CHARLES H. VINAL.

Ward Five.

ISAAC L. ASHLEY,
FREDERICK S. BRIGHTMAN,
SAMUEL C. HART,
WILLIAM T. TAYLOR.

Ward Six.

JAMES J. DONAGHY,
JAMES ROCK,
CLARENCE R. SHERMAN,
LEWIS T. SHURTLEFF.

CLERK—WILLIAM A. MACKIE.

STANDING COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN.

Police—The Mayor and Alderman Crapo and Cobb.
Licenses—Aldermen Jenney, Crapo, and Barrows.
Burial Grounds—Aldermen Brightman, Duff, and Cobb.
Enrollment—Aldermen Crapo, Barrows, and Cobb.
Soldiers' Aid—The Mayor and Aldermen Barrows and Crapo.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Finance—The Mayor and Alderman Crapo, the President of the Common Council, and Councilmen Gammons, McFarlin, Barrows, Holmes, and Sherman.

Audit—Aldermen Cobb and Barrows, and Councilmen Vinal, Tabor, and Shurtleff.

City Property—Aldermen Duff and Brightman, and Councilmen Sherman, Hayes, and Reynolds.

Fuel—The Mayor, Alderman Cobb, and Councilmen Bamford, I. L. Ashley, and Cook.

Education—Aldermen Crapo and Cobb, and Councilmen Gibbs, Bartlett, and Humphrey.

Fire Department—Aldermen Jenney and Cobb, and Councilmen McFarlin, Bamford, and Taylor.

Roads, Bridges, and Sewers—Aldermen Jenney and Cobb, and Councilmen Rock, Cook, and Gammons.

Charities, Almshouse, and the Poor—Aldermen Brightman and Barrows, and Councilmen Alley, Sullivan, and Shurtleff.

Street Lights—Aldermen Brightman and Barrows, and Councilmen Alley, H. T. Ashley, and McFarlin.

Printing—Alderman Cobb, and Councilmen Brightman and Vinal.

Buildings in the Fire District—Aldermen Cobb and Barrows, and Councilmen Gammons, I. L. Ashley, and Humphrey.

Armories and Military Property—Aldermen Barrows and Jenney, and Councilmen Barrows, Gibbs, and Donaghy.

Water Works and Water Supply—Aldermen Cobb and Brightman, and Councilmen Taylor, Reynolds, and Sullivan.

Claims—Aldermen Crapo and Duff, and Councilmen Barrows, Shurtleff, and Rock.

Ordinances—Aldermen Crapo and Barrows, and Councilmen Holmes, Bartlett, and Tabor.

STANDING COMMITTEES OF THE COMMON COUNCIL.

Elections and Returns—Messrs. Humphrey, H. T. Ashley, and Donaghy.

Bills in Second Reading—Messrs. Holmes, Hayes, and I. L. Ashley.

Enrolled Ordinances—Messrs. Vinal, Brightman, and Bartlett.

ASSESSORS.

Office, Library Building, Room 6.

CHARLES D. TUELL, Chairman, 3 years.
JOHN A. RUGGLES, 1 year. WILLIAM A. RUSSELL, 2 years.

ASSISTANT ASSESSORS.

Ward 1—JOSEPH H. SULLIVAN.
Ward 2—ARTHUR B. CHAPPELL.
Ward 3—HENRY C. RUSSELL.
Ward 4—MARSHALL T. MILLS.
Ward 5—JOHN D. RODGERS.
Ward 6—FRANK PAUL.

BOARD OF HEALTH.

Office, 52 Pleasant street.

WILLIAM N. SWIFT, Term expires February, 1896.
THOMAS W. COOK, Term expires February, 1894.
NATHANIEL HATHAWAY, Term expires February, 1895.

NATHANIEL HATHAWAY, Chairman.
WILLIAM N. SWIFT, City Physician and Quarantine Physician.
The City Physician is *ex officio* a member of the Board.

CLERK.

SUSIE J. SMALL.

HEALTH INSPECTOR.

WILLIAM E. MACOMBER.

INSPECTOR OF PLUMBING.

LOUIS H. RICHARDSON.

NEW BEDFORD WATER WORKS.

NEW BEDFORD WATER BOARD.

His Honor, JETHRO C. BROCK, Mayor, *ex officio* President.
SAMUEL C. HART, President of the Common Council, *ex officio*.
DAVID B. KEMPTON, Term expires June, 1895.
EDMUND WOOD, Term expires June, 1896.
HENRY HOWARD, Term expires June, 1894.

CLERK.

ROBERT C. P. COGGESHALL.

WATER REGISTRAR.

JAMES H. HATHAWAY.
Office, Room 2, Library Building.

SUPERINTENDENT.

ROBERT C. P. CGGGESHALL.
Office, City Hall Building.

INSPECTOR.

CLIFFORD BAYLIES.
Office, Room 2, Library Building.

COMMISSIONERS OF SINKING FUND.

ANDREW R. PALMER, Term expires March, 1895.
MORGAN ROTCH, Term expires March, 1896.
J. AUGUSTUS BROWNELL, Term expires March, 1894.

MORGAN ROTCH, Chairman.
JAMES H. HATHAWAY, Secretary and Treasurer.

OVERSEERS OF THE POOR.

ORRICK SMALLEY, Term expires May 1, 1895.
THOMAS H. KNOWLES, Term expires May 1, 1896.
JAMES E. STANTON, Term expires May 1, 1894.

Secretary—ORRICK SMALLEY.
Assistant—ELLA F. BUCKLIN.
Supt. of Almshouse—PELEG S. MACY.
Supt. of Poor Farm—ALBERT A. CHACE.
Physician—WILLIAM G. POTTER.

FREE PUBLIC LIBRARY.

TRUSTEES.

Ex officio. Term expires January, 1894.

JETHRO C. BROCK, Mayor of the City.
SAMUEL C. HART, President of the Common Council.
HENRY H. CRAPO, Alderman, and Chairman of the Committee of the City Council on Education.

Elected by the City Council.

ARTHUR G. GRINNELL, Term expires April, 1895.
LEONARD B. ELLIS, Term expires April, 1895.
ALEXANDER McL. GOODSPEED, Term expires April, 1896.
WALTER S. ALLEN, Term expires April, 1896.
ISAAC B. TOMPKINS, JR., Term expires April, 1894.
MATTHEW C. JULIEN, Term expires April, 1894.

PRESIDENT OF THE BOARD.

THE MAYOR.

CLERK.

WILLIAM L. R. GIFFORD.

COMMITTEES.

On the Library—Messrs. Julien, Allen, and Grinnell.
On Building—Messrs. Tompkins, Ellis, and Hart.
On Binding and Blanks—Messrs. Grinnell and Goodspeed.

LIBRARIAN.

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.

WILLIAM L. R. GIFFORD.

ASSISTANTS.

JOSEPHINE A. MERRICK, MARY E BROWN,
SUSIE H. GAMMONS.

JANITOR.

YORICK W. AMES.

BOARD OF PUBLIC WORKS.

Office, Odd Fellows Building.

His Honor, JETHRO C. BROCK, Mayor, *ex officio* Chairman.
SAMUEL C. HART, President of the Common Council, *ex officio*.
MORGAN ROTCH, Term expires May 1, 1895.
SAVORY C. HATHAWAY, Term expires May 1, 1896.
GEORGE F. BARTLETT, Term expires May 1, 1894.
DANIEL B. LEONARD, Clerk.
ALBERT B. DRAKE, Superintendent.

SUPERINTENDENT OF BRIDGE, AND DRAW TENDER.
JOHN B. NICHOLSON.

CITY SOLICITOR.
WALTER CLIFFORD.

SUPERINTENDENT OF BURIAL GROUNDS.
EDWARD S. HASKELL.
Office, No. 8 South Sixth street.

SEXTONS.
Oak Grove Cemetery—CHARLES F. CORNELL.
Rural Cemetery—

SEALER OF WEIGHTS AND MEASURES.
JAMES H. PEASE.

INSPECTOR OF BUILDINGS.
EDMUND O'KEEFE.

SUPERINTENDENT OF CITY CLOCK.
CHARLES E. WOODWORTH.

CITY BELL RINGER.
ISAAC BARNES.

CITY LAND SURVEYOR.
WILLIAM F. WILLIAMS.

HARBOR MASTER.

HENRY F. WEST.

INSPECTOR OF PETROLEUM AND VINEGAR.

HARRISON DELANO.

Office, No. 17 Middle street.

INSPECTOR OF MILK, PROVISIONS, AND ANIMALS INTENDED FOR SLAUGHTER.

DANIEL C. ASHLEY.

Office, No. 46 North Second street.

SUPERVISOR OF WIRES.

DANIEL D. BRIGGS.

REGISTRARS OF VOTERS.

EMANUEL SULLAVOU, Term expires May, 1895.
HERBERT A. BLACKMER, Term expires May, 1893.
CHARLES J. McGURK, Term expires May, 1894.
DANIEL B. LEONARD, City Clerk, *ex officio.*

Office, Basement, City Hall Building.

PRECINCT OFFICERS.

Term of office expires Nov. 1, 1893.

WARD 1, PRECINCT 1.

Warden, WILLIAM J. ARRIGAN, D.
Clerk, EDWARD F. DAHILL, R.
Inspector, EDWARD M. MURPHY, D.
" JOHN F. KIRK, R.
" WILLIAM J. HOYLE, D.
" EDGAR H. GAMMONS, R.

Deputies.

Warden, MAURICE C. DAHILL, D.
Clerk, CHARLES A. V. TERRY, R.
Inspector, WILLIAM E. HATHAWAY, D.
" JAMES H. BAMFORD, R.
"
" CHARLES T. BROWNELL, R.

WARD 1, PRECINCT 2.

Warden, GEORGE P. MACOMBER, R.
Clerk, JOHN N. O'BRIEN, D.
Inspector, GEORGE B. BORDEN, R.

Inspector, DANIEL J. SULLIVAN, D.
" GEORGE E. SAXON, R.
" DANIEL F. DRISCOLL, D.

Deputies.

Warden,
Clerk,
Inspector, JAMES H. SAXON, R.
" JOHN H. RYAN, D.
" EDWIN S. WHITTAKER, R.
" JOSEPH T. SMITH, D.

WARD 2, PRECINCT 3.

Warden, DAVID B. PIERCE, D.
Clerk, MYRON W. BROWNELL, R.
Inspector, HENRY FIELD, JR., D.
" STEPHEN HAFFORD, JR., R.
" WILLIAM W. ATWOOD, D.
" ARTHUR A. DEXTER, R.

Deputies.

Warden, CHARLES A. CASE, D.
Clerk, CHARLES T. BURGESS, R.
Inspector, ROBERT GILLESPIE, D.
" CHARLES L. FAUNCE. R.
"
" JAMES H. PEASE, R.

WARD 2, PRECINCT 4.

Warden, GEORGE W. HILLMAN, R.
Clerk, J. FRANKLIN KEENE, D.
Inspector, DAVID S. SMALL, R.
" JOSEPH P. H. CLARKE, D.
" SAMUEL R. BROWNELL, R.
" ASA L. H. ALLEN, D.

Deputies.

Warden, GEORGE K. DAMMON, R.
Clerk, HENRY SMITH, D.
Inspector, PHILIP R. KING, R.
"
" EDGAR R. LEWIS, R.
" CHARLES L. CHURCH, D.

WARD 3, PRECINCT 5.

Warden, JOSHUA B. ASHLEY, JR., D.
Clerk, JAMES D. ALLEN, R.
Inspector, HENRY F. HAMMOND, D.
" WILLIAM T. CASWELL, R.
" GEORGE T. HADLEY, D.
" RUFUS H. WILLIS, R.

Deputies.

Warden,
Clerk, EDWARD H. CARTER, R.
Inspector, JOSHUA B. LAPHAM, D.
" PRINCE S. BORDEN, R.
" WILLARD N. LANE, D.
" LYCURGUS H. HOWLAND, R.

WARD 3, PRECINCT 6.

Warden, ALBERT H. W. CARPENTER, D.
Clerk, B. FRANKLIN WORDELL, R.
Inspector, FRANK G. CARPENTER, D.
" BENJAMIN F. JENNEY, R.
" EDWARD S. RUSSELL, D.
" WILLIAM E. CARROLL, R.

Deputies.

Warden,
Clerk, CHARLES L. PAINE, R.
Inspector,
" THOMAS H. FORBES, R.
"
" GEORGE H. COOK, R.

WARD 4, PRECINCT 7.

Warden, WILLIAM B. TOPHAM, R.
Clerk, WALTER R. MYRICK, D.
Inspector, AUGUSTUS D. PIPER, R.
" GEORGE R. YOUNG, D.
" MARSHALL T. MILLS, R.
" GEORGE S. HOYT, D.

Deputies.

Warden, ROBERT R. TOPHAM, R.
Clerk, WILLIAM L. R. GIFFORD, D.
Inspector, FRED. D. BARROWS, R.
" FRED. A. BROWNELL, D.
"
" GEORGE M. WOOD, D.

WARD 5, PRECINCT 8.

Warden, PHILIP S. BRIGGS, D.
Clerk, JOHN K. McAFEE, R.
Inspector, GEORGE P. RICHARDSON, D.
" ARTHUR C. SPOONER, R.
" ISAAC C. SHERMAN, D.
" ORRICK SMALLEY, JR., R.

Deputies.

Warden, JOHN McCULLOUGH, JR., D.
Clerk, ALBION T. BROWNELL, R.
Inspector, THOMAS J. PEED, D.
" JAMES W. ALLEN, R.
" HENRY T. CORSON, D.
" GEORGE F. COLE, R.

WARD 5, PRECINCT 9.

Warden, HENRY S. SWAIN, R.
Clerk, HENRY A. GRAY, D.
Inspector, DAVID M. PIPER, R.
" WILLIAM C. KENNEDY, D.
" FREDERICK B. COOK, R.
" CHARLES S. BAYLIES, D.

Deputies.

Warden, FRANCIS A. BOOTH, R.
Clerk,
Inspector, JOHN C. EMERY, R,
" ARTHUR E. DUFFEY, D.
" JAMES H. MAGNET, R.
" JAMES LOWE, JR., D.

WARD 6, PRECINCT 10.

Warden, CHARLES F. BRIGGS, R.
Clerk, LEANDER A. WILLISTON, D.
Inspector, GEORGE F. CURRY, R.
" FRANK CROACHER, D.
" WILLIAM F. CASWELL, R.
" FRANK P. P. TUELL, D.

Deputies.

Warden, PAUL W. WING, R.
Clerk,
Inspector, GEORGE F. SAWIN, R.
" PATRICK KENNEDY, D.
" ROLAND R. ASHLEY, R.
" FRANK G. TABER, D.

WARD 6, PRECINCT 11.

Warden, HERBERT B. GARDNER, R.
Clerk, N. HERBERT GREENE, D.
Inspector, WILLIAM W. BONNEY, R.
" WILLIAM N. NELSON, D.
" ANDERSON H. SWIFT, R.
" GIDEON D. POPPLE, D.

Deputies.

Warden, MARSHALL S. GREENE, R.
Clerk,
Inspector, WILLIAM A. GIBBS, R.
" CHARLES A. SERPA, D.
" AMOS W. HADLEY, R.
" GEORGE L. JENNINGS, D.

VOTING PRECINCTS.

WARD ONE.

Precinct 1. All that portion of said ward lying northerly of a line drawn through the centre of Cedar Grove, Purchase, Linden, Ashland, and Durfee streets, thence continuing in a straight line to the boundary line between the town of Dartmouth and the city of New Bedford.

Voting place, Ward room, corner of Weld and Bowditch streets.

Precinct 2. All that portion of said ward lying southerly of the aforesaid division line.

Voting place, Howland Chapel, 588 Purchase street.

WARD TWO.

Precinct 3. All that portion of said ward lying east of a line drawn through the centre of Thomas, Sycamore, and County streets, to a point at the intersection of a line formed by the extension of a line through the centre of Franklin street.

Voting place, Ward room on Willis street.

Precinct 4. All that portion of said ward lying west of the aforesaid division line.

Voting place, carpenter shop of Loum H. Faunce, rear of 63 Parker street.

WARD THREE.

Precinct 5. All that portion of said ward lying east of a line drawn through the centre of Summer street, from the centre of Middle to the centre of Maxfield street.

Voting place, Ward room, Kempton street, near County.

Precinct 6. All that portion of said ward lying west of aforesaid division line.

Voting place, northwest corner Hillman and Ash streets.

WARD FOUR.

Precinct 7. The entire ward, including the islands known and called Pope's and Fish island.

Voting place, City Hall.

WARD FIVE.

Precinct 8. All that portion of said ward lying easterly of a line drawn through the centre of Fifth street, from the centre of Wing street to the centre of Bedford street, thence through Bedford and South Sixth streets to the centre of Spring street.

Voting place, Ward room on Fourth street, near School.

Precinct 9. All that portion of said ward lying westerly of the aforesaid division line.

Voting place, No. 4 engine house, Bedford street.

WARD SIX.

Precinct 10. All that portion of said ward lying easterly of a line drawn through the centre of Fifth street, from its intersection with the center of Wing street, thence through Grinnell, Fourth, and Rivet streets, Acushnet avenue, Division and Water streets, to and along the centre of French avenue south to tide water.

Voting place, store, 534 South First street.

Precinct 11. All that portion of said ward lying westerly of the aforesaid division line.

Voting place, Ward room on Sherman street.

FIRE DEPARTMENT.

CHIEF ENGINEER.

FREDERICK MACY, Term expires January, 1898.

Office, City Hall Building.

ASSISTANT ENGINEERS.

First—LORING T. PARLOW, Term expires January, 1895.
Second—PLINY B. SHERMAN, Term expires January, 1894.
Third—SAMUEL C. FRANCE, Term expires January, 1897.
Fourth—GEORGE M. CRAPO, Term expires January, 1896.

CLERK OF BOARD OF ENGINEERS.

LUTHER G. HEWINS, JR.

MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY.

(*Special Police Officers to serve at fires.*)

Akin, Francis T.,
Allen, George H. H.,
Allen, Gideon,
Allen, Gilbert,
Bamford, James H.,
Bamford, William,
Bentley, Lewis E.,
Bourne, Standish,
Bly, O. Frank,
Briggs, George E.,
Case, Charles A.,
Coggeshall, R. C. P.,
Cornish, Clifton H.,
Denison, Henry C.,
Dews, Edwin,
Dias, Joseph,
Dunham, Ernest A.,
Eldridge, John, Jr.,
Field, Walter F.,
Gardner, Edward R.,
Gibbs, John E.,
Gifford, Charles H.,
Gifford, Frank H.,
Hadley, A. W.,
Hammond, Henry F.,
Handy, Jonathan,
Haskell, Charles M.,
Holden, Charles H.,
Howard Henry,
Howland, John J.,
Hussey, Charles M.,
Kelley, Charles S.,
Kingman, G. D.,
Knowles, Thomas H.,
Lawton, Charles H.,
Lewis, Edgar R.,
Lowe, John H.,
Macy, Frederick B.,
Manchester, P. F.,
Maxfield, Edmund F.,
Nye, Willard, Jr.,
Paine, Charles L.,
Parker, James N.,
Peirce, Stephen D.,
Phillips, George A.,
Pierce, Edward T.,
Pierce, Otis N.,
Pitman, William H.,
Potter, William F.,
Read, William F.,
Robbins, Arthur E.,
Robinson, William A.,
Rotch, Morgan,
Richardson, Louis H.,
Sanford, Gardner T.,
Sawin, Frank E.,
Shaw, S. Edward,
Snow, Robert,
Swift, Leander H.,
Swift, R. W.,
Taber, Charles M.,
Taylor, Henry W.,
Taylor, William T.,
Thornton, Alfred,
Tripp, Augustus C.,
Vincent, Mark T.,
Washburn, F. A.,
West, William R.,
Wilbor, Alfred G.,
Wilde, Edmond L.,
Willis, William H.,
Wood, Edmund,
Wood, Horace,
Wood, Thomas F.

POLICE DEPARTMENT.

CHIEF.

GEORGE DOUGLASS.

CAPTAINS.

TIMOTHY C. ALLEN, JAMES L. WILBER.

LIEUTENANTS.

LEMUEL D. ADAMS, THOMAS FAY,
SETH E. BRYANT, ARTHUR H. JONES,
THOMAS W. COMSTOCK, ELLERY PEIRCE,
THOMAS J. TAFT.

INSPECTORS.

FRANKLIN L. HATHAWAY, JOHN C. PARKER.

PATROLLMEN.

ALLEN, EDGAR W.,
ALLEN, EDWARD,
ALMOND, WALTER,
ARNETT, HENRY,
ARNETT, JAMES W.,
BROWNELL, MILTON H.,
CALLANAN, THOMAS F.,
CANNAVAN, PATRICK,
CLARK, ULYSSES L.,
COX, JAMES M.,
DAHONEY, THOMAS,
DEMERS, FRANK E.,
DENEEN, DANIEL,
DODDS, JAMES,
DUMEC, PETER,
ELDRIDGE, WASHINGTON A.,
ENOS, FRANK,
FOLEY, EDMUND,
GENDRON, GEORGE E.,
GIFFORD, CHARLES C.,
GRAY, ALBERT N.,
HUMPHREY, DANIEL J.,
HUSSEY FREDERICK,
IVEY, JAMES A.,
KENNEDY, PATRICK,
LEE, ALLEN L.,
MATHER, JOSEPH,
McBAY, CHARLES L.,
McCARTHY, JEREMIAH,
McDONNELL, PATRICK,
MITCHELL, JAMES,
MOYNAN, ROBERT,
MURPHY, CORNELIUS J.,
OLIVER, JOHN F.,
PAIGE, GEORGE W.,
PINKHAM, GEORGE W.,
RAYMOND, HIRAM E.,
RHODES, HENRY W.,
ROOKS, JOHN C.,
ROSCOE, WILLIAM E.,
ROSE, ALBERT J.,
RUSSELL, EUGENE F.,
SISSON, JOSEPH De L.,
SMITH, ANDREW J.,
SULLIVAN, TIMOTHY,
SWEENEY, DANIEL P.,
TABER, CHARLES H.,
TABER, JEREMIAH M.,
TELFORD, JOHN,
UNDERWOOD, WILLIS C.,
VOGEL, GEORGE,
WESTON, STEPHEN J.,
WILLIAMS, JOHN H.,
WILSON, THOMAS H.,
WING, JOSEPH B.,
WIXON, JAMES A.

HEALTH OFFICER.

MACOMBER, WILLIAM E.

WAGON-MEN.

BRADY, JOHN W., JONES, JOHN M.

HOUSEKEEPERS.

BUMPUS, HENRY W., MITCHELL, WILLIAM H.,
DAYTON, LUTHER M., RUSSELL, ELISHA E.,
KIRBY, DAVID G., STEVENS, HENRY.

SPECIAL HOUSEKEEPERS.

JONES, ISAAC M., MANCHESTER, JOHN B.,
ROBBINS, CHARLES H.

MATRON.

BULLARD, MARGARET S.

DRIVER.

JENNINGS, EDWARD F.

JANITOR.

DREW, MOSES C.

CLERK.

WEST, HENRY N.

CONSTABLES.

THE MEMBERS OF THE POLICE FORCE, AND SAMUEL C. PERRY, THOMAS D. HOWLAND.

KEEPER OF THE LOCKUP.

GEORGE DOUGLASS.

PROBATION OFFICER.

ISAAC H. COE.

SPECIAL POLICE OFFICERS.

Allen, Lewis G.,	Booth, Benjamin T.,	Chase, Albert A.,
Allen, William H.,	Borden, Prince S.,	Childs, Cyril M.,
Barber, John R.,	Brown, William L. G.,	Clark, William,
Barker, Robert T.,	Buckley, Alfred R.,	Clarkson, Nicholas J.,
Barnes, Isaac,	Burgess, Stephen,	Clynes, Thomas,
Bartel, Leopold,	Burke, Michael I.,	Collins, John,
Bennett, Jeremiah H.,	Burke, William,	Conklin, Abraham,
Bentley, Frank T.,	Butts, Henry R., Jr.,	Corish, John,
Bliss, Frederick P.,	Butts, Squire W.,	Corley, Maurice C.,
Bliss, William H.,	Carr, James E.,	Cornell, Charles F.,

Cornell, Sidney I.,
Crafts, James,
Cronin, Cornelius,
Dammon, George K.,
Davis, Otis A.,
Delano, Harrison,
Devine, Patrick,
Devoll, George H.,
Donaghy, Joseph,
Duckworth, William A.,
Duffy, Thomas,
Durfey, Richard T.,
Eldredge, Samuel T.,
Engeland, George,
Etchell, Edward,
Ferguson, William,
Finn, Michael,
Fitzgerald, James,
Flavin, Maurice F.,
Francis, Frank W.,
Fuller, Jonathan A.,
Geddis, Henry S.,
Gibbs, Preston H.,
Gibbs, William H. H.,
Gifford, John,
Glennon, Thomas F.,
Grant, Lafayette,
Greene, Marshall S.,
Harrington J., Clark st.,
Hillman, George W.,
Hines, Henry S.,
Holden, George,
Holloway, James T.,
Holmes, Ezra,
Holmes, John J.,
Howard, Henry,
Howland, Joseph B.,
Howland, William G.,
Jay, James A.,
Jenney, Ezra T.,
Johnson, Oscar,
Johnson, W. H., Smith street,
Jones, Isaac M.,
Jordan, William,
Joseph, John,
Karcher, Frederick, Sr.,
Kelley, Hiram C.,
Kennedy, Thomas,
Kent, James D. T.,
King, Joseph T.,
Lapham, George W.,
Law, Peter G.,
Lawrence, Cyrus T.,
Leary, Dennis, Jr.,
Lincoln, Ellery C.,
Lincoln, John,
Little, Frank,
Little, John E.,
Lumbert, John,
Luther, Joseph P.,
McCullough, Robert,
McDermot, Michael,
Macomber, H. M.,
Marr, William J.,
Martin, Henry T.,
Mehan, John,
Miller, George,
Miskell, John,
Morgan, Elias T.,
Morrison, Thomas,
Netcher, George F.,
Nicholson, John B.,
Oliver, John,
Omey, Joseph C.,
Palmer, Robert,
Parker, Charles W.,
Partington, William,
Peckham, Samuel W.,
Peed, Thomas J.,
Peirce, Anthony, Jr.,
Perry, Samuel C.,
Phillips, Henry T.,
Pierce, Thomas H.,
Pinelle, Joseph,
Piper, Augustus D.,
Place, William J.,
Pollock, John H.,
Quinn, Joseph,
Read, George P.,
Read, Richard A.,
Remington, John G.,
Reynolds, James R.,
Richie, David,
Robbins, Charles H.,
Russell, James B.,
Sadler, William G.,
Salmon, John,
Saxon, James H.,
Shea, Michael J.,
Shields, Charles M.,
Small, David S.,
Smith, Henry,
Smith, Henry H.,
Spicer, Robert H.,
Spooner, Joseph W.,
Staples, Elias,
Stephens, Michael,
Stopford, James I.,
Taber, Christopher C.,
Taft, Daniel F.,
Tallman, Edward S.,
Taylor, Theodore,
Taylor, William A.,
Thomas, Edward, Jr.,
Thompson, Thomas,
Thompson, John H.,
Tinkham, John S.,
Tinkham, Otis,
Townley, Richard,
Tripp, Benjamin E.,
Tripp, Holder R.,
Tripp, Le Roy G.,
Tuell, Charles D.,
Underwood, John A.,
Warfield, James H.,
Watts, William H. C.,
Weeden, Charles H. L.,
Wilbur, Allen R.,
Wiley, James,
Willis, Rufus H.,
Williston, Hiram L.,
Wilson, John,
Wood, Charles N.,
Wood, James A.

MEASURERS OF WOOD AND BARK.

Allen, Abram A.,
Ashley, Roland R.,
Bennett, William H.,
Chace, Charles S.,
Chace, Ira M.,
Comey, Charles M.,
Cobb, George A.,
Coxen, Charles H.,
Crussell, John W.,
Dammon, Samuel,
Dillingham, Abram L.,
Grinnell, A. B., Jr.,
Hall, George N.,
Lawrence, James A.,
Leavitt, Clark,
Morse, Charles M., Jr.,
Notter, John,
Pickens, George,
Reed, Benjamin H.,
Rodman, Frank P.,
Smith, John,
Taber, Edward C.,
Tripp, Augustus C.

SURVEYORS OF LUMBER.

Beetle, John H.,
Carpenter, George H.,
Chase, Abram,
Hayes, Lemuel W.,
Randall, Charles G.,
Randall, George A.,
Raymond, Hiram,
Smith, Charles F.,
Terry, Charles A. V.

MEASURERS OF GRAIN.

Bentley, Edwin R.,
Chace, Ira M.,
Hall, George N.,
Rodman, Frank P.

WEIGHERS OF COAL.

Bowman, Fred G.,
Brooks, Nathan B.,
Buchanan, James,
Chace, Ira M.,
Comey, Charles M.,
Corson, Frank E.,
Corson, James A.,
Day, Thomas E.,
Gifford, Charles H.,
Gifford, Nathaniel W.,
Hall, George N.,
Hathaway, Benj. F., Jr.,
Hunt, Josiah,
Lindsey, Robert,
Lowden, Benjamin B.,
Lumbard, Joseph W.,
Percy, T. A.,
Pierce, Edward E.,
Reed, Edmund A.,
Rodman, Frank P.,
Shurtleff, Lewis T.,
Smith, John,
Thomas, Albert E.,
Tripp, Jabez D.,
Weeks, James H.,
Wilson, Wallace B.,
Wordell, Wilson I.

CITY WEIGHERS.

Ashley, Clara M.,
Ashley, Moses E. H.,
Ashley, Roland R.,
Brooks, Nathan B.,
Brownell, Charles H.,
Buchanan, James,
Burgess, Thomas,
Butts, James D.,
Carey, Bernard,
Chace, Ira M.,
Chace, Albert A.,
Channing, Walter J.,
Comey, Charles M.,
Corson, Frank E.,
Corson, James A.,
Craft, James,
Day, Thomas E.,
Delano, Harrison,
Doane, Edward D.,
Driscoll, Daniel E.,
Duff, John,
Edwards, Charles F.,
Eldridge, Howard,
Field, Edward H.,
Gibbs, J. Edward, Jr.,
Gibbs, William H. H.,
Gifford, Charles H.,
Gifford, Nathaniel W.,
Gifford, Richmond A.,
Gifford, Robert B.,
Gile, J. F.,
Grant, Lafayette,
Hassett, James,

Hathaway, B. F., Jr.,
Hayden, Edward D.,
Hill, John,
Hitch, Frank B.,
Howard, Henry,
Hunt, Josiah,
Jenney, Ezra T.,
Jennings, Charles E.,
Jennings, George L.,
Jennings, John,
Jewett, Charles A.,
Johnson, Ferdinand A.,
Kenney, Edward D.,
Kidd, George H.,
Kidd, George W.,
Knowles, Edward C.,
Lamontague, Frank,
Lawton, Robert S.,
Lawton, W. F.,
Leavitt, Herbert W.,
Lee, John A.,
Lewis, Henry S.,
Lincoln, Harry H.,
Lumbard, Joseph W.,
Macomber, Harry T.,
Macy, Peleg S.,
Mason, Frederick A.,
McCarty, Mortimer,
Millette, Louis,
Mulberry, William H.,
Neal, John A.,
Negus, A. S.,
Nowell, Joseph C.,
O'Connor, Cornelius,
Paul, George H.,
Pedro, George E.,
Peirce, H. M.,
Peirce, Edward E.,
Perry, Frank T.,
Potter, Edwin L.,
Potter, J. A.,
Reed, Benjamin H.,
Reed, Edmund A.,
Rodman, Frank P.,
Roscow, Herbert,
Rose, Frank,
Sherman, David W., Jr.,
Sherman, Edward R.,
Shurtleff, Lewis T.,
Sisson, Frank E.,
Swift, Reuben E.,
Taber, Edward C.,
Thomas, Albert E.,
Tripp, Augustus C.,
Tripp, Jabez D.,
Tripp, John E.,
Weeks, Henry T.,
Wilcox, Frank S.,
Willis, Charles L.,
Wilson, Wallace B.,
Wood, John,
Wordell, Wilson I.,
York, Joseph,
Young, Fred M.

WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Howard, Henry, Sisson, William H. H., Stone, Walter A.
Smith, John,

FENCE VIEWER.

Cobb, George A.

POUND KEEPERS.

Dayton, Luther M., Manchester, John B., Russell, Elisha E.,
Kirby, David G., Peckham, Samuel W., Stevens, Henry.

FIELD DRIVERS.

The Police, William H. Johnson (Smith street), John B. Manchester, Henry Stevens.

1892—CITY DOCUMENT NO. 3.

CITY OF NEW BEDFORD, MASS.

TWENTY-THIRD ANNUAL REPORT

OF THE

NEW BEDFORD WATER BOARD,

TO THE

CITY COUNCIL,

CONTAINING:

I.
The Report of the New Bedford Water Board for the Year 1892.

II.
The Report of the Water Registrar.

III.
The Report of the Superintendent.

DECEMBER 30, 1892.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

NEW BEDFORD WATER BOARD.

1893.

JETHRO C. BROCK,
Mayor of the City.

SAMUEL C. HART,
President of the Common Council.

HENRY HOWARD.
DAVID B. KEMPTON.
WILLIAM N. CHURCH.

CLERK OF THE BOARD, AND SUPERINTENDENT.
ROBERT C. P. COGGESHALL.

WATER REGISTRAR.
JAMES H. HATHAWAY.

FOREMAN.
FRANK M. ASHLEY.

PUMPING STATION.
ADONIRAM S. NEGUS, *Pumping Engineer.*

INSPECTORS.
CLIFFORD BAYLIES,
ARTHUR R. WEEKS.

REPORT.

City of New Bedford,
Office of the New Bedford Water Board,
December 30, 1892.

To the City Council of the City of New Bedford:

Gentlemen,—The Water ordinance provides that the New Bedford Water Board shall present, annually, to the City Council a report of their operations.

In accordance with this provision we respectfully lay before you the twenty-third annual report of this body.

We include herewith as constituting a part of this document, the reports of the Superintendent, City Treasurer, and Water Registrar.

All details of the operations of the past year are to be found in their reports and statements, and it is with much satisfaction that we place them before you.

We present the following abstract, drawn from the report of James H. Hathaway, City Treasurer:

Balance, Dec. 1, 1891,	$47,129.33
Receipts for the year, all sources,	93,422.68
	$140,552.01

The charges have been as follows:

Expenditures for management and repairs,	$37,761.70
Expenditures for extensions,	52,845.75
	$90,607.45
Which leaves a balance to the credit of the works on the books of the City Treasurer, Dec. 1, 1892,	$49,944.56

The following is a brief statement regarding the financial operations of the past year:

DEBITS.

Balance, Dec. 1, 1891,		$47,129.33
Receipts from water rates,		71,872.55
Receipts from rents, sales, etc.,		470.95
Receipts from laying main and service pipes in private property,		9,079.18
Receipts from public funds:		
General appropriation from management and repair account to water debt,	$10,600.00	
General appropriation for use of water for public purposes,	12,000.00	
General appropriation by tax levy to make up deficit,	59,100.00	81,700.00
		$210,252.01

CREDITS.

Management and repairs,	$37,761.70	
Extension of works,	52,845.75	
Interest on bonds,	39,100.00	
Bonds paid,	30,000.00	
Sinking funds,	600.00	
Balance, Dec. 1, 1892,	49,944.56	$210,252.01
The actual outlay for the construction of these works, Dec. 1, 1892, exclusive of debt, interest, and management and repair account, is		$1,525,215.92

During the year there has been laid 20,689 feet of distributing mains and 866 feet of those previously laid has been removed. The total length of main pipe at this date is $68\frac{6367}{10000}$ miles.

The number of service supplies which have been placed is 397. This is an increase of 45 over the total number laid last year.

A contract was concluded with the Walworth Manufacturing Company of Boston on February 25th, for a supply of screw taps, sidewalk stops, and other brass castings. The consideration ranged from 50 cents to $1.05 each for taps, 40 cents to 83 cents for stops, and 18 cents per pound for stop box fittings.

A contract for a line of special castings was executed with Edmund Grinnell on March 5th. The consideration was $2.95 per 100 pounds for service stop boxes and covers and $2.40 per 100 pounds for gate boxes and covers, branches, sleeves, reducers, plugs, and other castings.

A contract for a cargo of about 700 gross tons of Pocahontas coal was made in July by the fuel committee of the City Council with Messrs. Hart and Akin, this to be delivered at the pumping station for the sum of $4.20 per gross ton.

The season closes with evidence on every side of a continuance of the prosperity which has favored our community in these latter years. The erection of five large mills during the past season is an event unprecedented in our history during any single year. With these equipped and in operation there comes a large addition to our present population. A large increase in the work of every department is demanded and required, and with their present resources, much effort is necessary to keep pace with these requirements and still confine themselves to the limit of their appropriation. You must be forcibly reminded of this difficulty by the constant requests made for additional

appropriations that the work of developing all sections of the city may receive proper attention. We are not yet prepared to lay plans before you for the enlargement of the capacity of the Water Works, which when entered upon will surely require a very heavy appropriation. Yet we would not have you think we have escaped numerous requests similiar to those made upon other departments, for none is more in touch with the growth of the community or feel its demand more promptly and keenly than does the Water Works. All the industries of our city are entirely dependent upon our ability to furnish an abundant supply of water. It is also an imperative necessity for certain operations in other city departments besides our own. While the truth of these statements is apparent, yet the maintenance of this important service depends wholly upon one brick conduit, five and five-eighths miles in length; in thickness only the width of a single brick, with the exception of a few places,—not a strong structure, nor one designed to be placed under much internal pressure. This conduit is the most essential, and, in some respects, the weakest feature of the system. Other parts being duplicated make them comparatively free from the liability of accidents sufficient in extent to interfere with the supply,—two spare engines in case of accident to the third, a stand pipe in case of needed repairs to the distributing reservoir. The distributing system is so well provided for that its failure to any extent does not seem to be within the range of probability. Yet these are dependent upon this brick conduit in which a derangement at any one point might cut off the entire supply with disastrous results. The constant increase in the consumption plainly indicates that another conduit must soon be begun, for we are rapidly nearing the extreme capacity of the present structure. We propose to soon take the preliminary steps in the direction of securing an additional supply, and possibly some time

during the present year we shall ask your earnest attention to the facts which we shall have occasion to place before you.

Respectfully submitted.

CHARLES S. ASHLEY, President.
WM. G. KIRSCHBAUM,
WM. N. CHURCH,
HENRY HOWARD,
DAVID B. KEMPTON.

Report of the Water Registrar.

City of New Bedford,
Water Registrar's Office,
December 1, 1892.

To the New Bedford Water Board:

Gentlemen,—I herewith present to you the annual statements of my accounts as Water Registrar for the year ending at this date.

The accounts are arranged in the following order, viz.:

1. The receipts for the year from all sources.

2. A classified statement of expenditures for the year.

3. A recapitulation of the outlay for the year, showing the net expenditures under each head.

4. A general recapitulation of the outlay from the commencement of the works to this date.

5. The source of income applied to construction account.

6. Water debt, and payments made on account of the same,

CREDITS TO THE NEW BEDFORD WATER WORKS.

Balance, Dec. 1, 1891,			$47,129.33
Receipts for water:			
Rates, domestic,	$64,068.87		
Rates, manufacturing,	7,803.68		
Appropriations,	12,000.00	$83,872.55	
Receipts on account of services:			
Services,	$5,526.29		
Meters,	116.50		
Fines,	86.00	5,728.79	
Received for mains:			
Pipe, &c., sold,		3,552.89	
Received from other sources:			
Sale of hay,	$117.00		
Sale of old boilers,	103.95		
Rent, Duffy building,	20.00		
Sewer, North Front street,	25.25		
Street department,	2.25	268.45	93,422.68
			$140,552.01
Expenditures for the year ending Dec. 1, 1892,			90,607.45
Balance, cash in treasury, Dec. 1, 1892,			$49,944.56

EXPENDITURES FOR 1892.

MANAGEMENT AND REPAIRS.

Engineering and superintendence,	$4,594.80	
Water Registrar, Inspector, and clerk hire,	3,279.05	$7,873.85
Pumping expenses:		
Engineer, firemen, and watchman,	$4,937.62	
Fuel for pumping engine,	4,927.03	
Oil, waste, packing, and gas,	408.49	
Other supplies,	108.78	
Repairs of engines,	165.65	

Repairs of boilers,	$104.29		
Incidentals,	146.43	$10,798.29	
Maintenance engine house and lot,		545.51	
Maintenance of mains,		682.36	
Services:			
Labor and stock,	$184.19		
New stop boxes, clearing taps, etc.,	725.27		
Plumbing,	418.89	1,328.35	
Fountains and meters,		366.94	
Water street work shop and pipe yard,		505.10	
Receiving and distributing reservoir and standpipe,		552.67	
Storing reservoir, dam, and conduit,		529.49	
Little Quittacas connection,		839.22	
Incidentals,		3,139.92	
Public debt,		10,000.00	
Sinking funds,		600.00	$37,761.70

EXTENSIONS.

Mains:			
Main pipe and special castings,	$17,733.47		
Labor laying mains,	5,037.41		
Lead, carting, and blacksmith work,	2,830.38		
Other supplies,	535.71		
Stop gates, hydrants, etc.,	5,118.79		
Unloading pipe and wharfage,	219.58	$31,475.34	
Services:			
Service pipe, lead and iron,	$2,515.91		
Taps, stop boxes, and other supplies,	1,483.32		
Labor laying services,	1,785.70		
Plumbing,	377.50	6,162.43	
Mill piping,		666.11	
Fountains and meters,		792.50	
New boilers,		8,350.89	
New flue and steam pipe,		1,646.65	
Removing old boilers,		365.57	
New tower, engine house,		1,665.82	
Remodelling engine No. 3,		1,720.44	52,845.75
Total expenditures for the year,			$90,607.45

NET EXPENDITURES UNDER EACH HEAD.

MANAGEMENT AND REPAIRS.

Outlay as above stated,			$37,761.70
Deduct from this account:			
Public debt,	$10,000.00		
Sinking funds,	600.00		
Sale of hay,	117.00		
Sale of old boilers,	103.95		
Rents,	20.00		
Sewer and street department,	27.50		
Fines,	86.00		10,954.45
			$26,807.25

EXTENSIONS.

Pipe, labor, and expense laying mains,	$31,475.34		
Pipe sold,	3,552.89	$27,922.45	
Services, hydrants, fountains, etc.:			
Services as above,	$6,162.43		
Mill piping,	666.11		
Fountains and meters,	792.50		
New boilers,	8,350.89		
New flue and steam pipe,	1,646.65		
Removing old boilers,	365.57		
New tower, engine house,	1,665.82		
Remodelling engine house,	1,720.44		
	$21,370.41		
Deductions:			
From takers, meters sold, etc.,	5,642.79	15,727.62	
Debt account:			
Bonds paid,	$10,000.00		
Sinking fund,	600.00	10,600.00	54,250.07
Net expenditures for 1892,			$81,057.32

CONDENSED STATEMENT.

DEBITS.

Net expenditures for the year,	$81,057.32	
Balance unexpended,	49,944.56	$131,001.88

CREDITS.

Balance, Dec. 1, 1891,	$47,129.33	
Received for water,	83,872.55	$131,001.88

SUMMARY STATEMENT.

The whole outlay upon the works to this date has been as follows:

Conduit,	$212,307.89
Dam,	18,845.24
Distributing reservoir,	73,740.62
Distribution,	783,179.30
Engine house and lot,	102,694.07
Engines and foundations,	89,889.90
Storing reservoir,	53,496.06
Receiving reservoir,	33,360.27
Pump well and culvert,	16,561.41
White homestead,	4,000.00
Peckham road,	512.00
Preliminary,	2,605.34
Engineering,	23,511.88
Salaries,	9,225.00
Incidentals,	8,124.05
Management and repairs,	452,120.18
Fountains, hydrants, meters, etc.,	30,165.21
Real estate, workshop and land,	6,498.75
Land, State street,	350.00
New force main,	32,309.19
Inspection,	5,570.39
Connection with Little Quittacas,	10,677.65
Expense new boilers,	835.57
New flue and steam pipe,	4,831.55
Addition to pumping station,	1,924.58
	$1,977,336.10

Payment of interest on debt,	$53,788.14
Water bonds paid, 6 per cent.,	55,000.00
Sinking funds,	3,000.00
	$2,089,124.24
Balance, Dec. 1, 1892,	49,944.56
	$2,139,068.80

The receipts from the commencement of the works to this date have been as follows, viz.:

Appropriations by the City Council,		$1,038,000.00
Received for water and other sources,		1,101,068.80
		$2,139,068.80
Deduct the amount above stated,		2,089,124.24
Balance, Dec. 1, 1892,		$49,944.56
Outlay per general summary,		$2,089,124.24
Deduct from outlay:		
Paid for management and repairs,	$452,120.18	
Interest paid,	53,788.14	
Bonds paid,	55,000.00	
Sinking funds,	3,000.00	563,908.32
Actual cost of works,		$1,525,215.92
Total receipts for water,		$1,101,068.80
Deduct from this:		
Amount paid for maintenance, debt, interest, and sinking funds,		563,908.32
Water receipts applied to construction,		$537,160.48
Receipts for water in 1892,		$83,872.55
Receipts for water in 1891,		78,389.92
Increase for 1892,		$5,482.63
The increase in amount received for water since December 1, 1888, has been		$22,337.01

The funds for the construction of the works have been derived from the following sources, viz.:

Investment of Sylvia Ann Howland educational bequest,	$100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Received from the sale of bonds,	815,000.00
Net receipts applied to construction,	537,160.48
Appropriations for construction in 1885,	23,000.00
Total,	$1,575,160.48
Deduct balance, Dec. 1, 1892,	49,944.56
Actual cost of the works as above,	$1,525,215.92

The water debt at this date is as follows, viz.:

Water bonds, 7 per cent.,	$100,000.00
" 6 "	240,000.00
" 5 "	100,000.00
" 4 "	120,000.00
Sylvia Ann Howland bequest,	100,000.00
	$660,000.00
Less sinking funds,	3,342.70
Net water debt, Dec. 1, 1892,	$656,657.30

The appropriations by the City Council in 1892, for bonds, interest, etc., were as follows, viz.:

Water bonds, 7s,	$10,000.00
Water bonds, 6s,	10,000.00
Interest on bonds,	39,100.00
	$59,100.00
Net expenditures by the Water Board,	81,057.32
Actual amount expended in 1892,	$140,157.32

Number of services added during the year,	397
Number of persons using water, Dec. 1, 1891,	38,500
Since added, estimated,	3,276
Total, 1892,	41,776

This includes those using water in dwellings only.

Under chapter 17, section 12, of the City Ordinances, $10,000 of the receipts for water from takers was applied to the payment of bonds that fell due on the first of October last, and $600 from the same source to the sinking fund account.

Since the construction of the works there has been paid, from the receipts for water, $53,788.44 for interest, $55,000 for bonds, and $3,000 for sinking funds; a large amount, in the aggregate, when we consider the very low rate charged for its use.

The inspector reports 925 services turned off and on, largely for repairs, a small number, 43 only, having been turned off for non-payment of rates.

Respectfully submitted.

JAMES H. HATHAWAY,

Water Registrar.

Report of the Superintendent.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
December 1, 1892.

To the New Bedford Water Board:

GENTLEMEN,—The superintendent's twenty-third annual report of the operations of this department for the year ending December 1, 1892, is herewith respectfully presented.

In annexed table A may be found the records of rainfall kept at the storing reservoir at Long Plain and at the pumping station. Mr. T. R. Rodman also kindly supplies a copy of the record kept at his residence on Spring street.

F. P. Stearns, Esq., Chief Engineer State Board of Health, kindly contributes the following statement showing the results of the monthly examination of the Acushnet water during the past year.

Water Analysis — State Board of Health.

PARTS IN 100,000.

Number.	Date of Collection.	Date of Examination.	Appearance. Turbidity.	Appearance. Sediment.	Color.	Residue on Evaporation. Total.	Residue on Evaporation. Loss on Ignition.	Ammonia. Free.	Ammonia. Albuminoid. Total.	Ammonia. Albuminoid. Dissolved.	Ammonia. Albuminoid. Suspended.	Chlorine.	Nitrogen as Nitrates.	Nitrogen as Nitrites.	Hardness.
	1891.														
8345	Dec. 17.	Dec. 18.	Very slight.	Slight.	0.90	4.45	1.80	.0006	.0176	.0130	.0046	.57	.0080	.0002	0.95
	1892.														
8462	Jan. 28.	Jan. 29.	Very slight.	Slight.	1.25	5.90	2.50	0008	.0256	.0230	.0026	.62	·0120	.0001	1.1
8554	Feb. 25.	Feb. 26.	Very slight.	Very slight.	1.40	5.85	2.90	.0026	.0230	.0206	.0024	.59	.0070	.0001	1.3
8676	Mar. 28.	Mar. 28.	Very slight.	Slight.	1.00	4.70	1.85	.0004	.0196	.0176	.0020	.48	.0250	.0000	1.1
8822	April 28.	Apr. 29.	Very slight.	Considerable brown.	0.90	4.25	2.20	.0000	.0168	.0148	.0020	.50	.0090	.0000	0.6
8937	May 26.	May. 26.	Very slight.	Slight.	1.30	4.90	2.00	.0002	.0222	.0182	.0040	.48	.0050	.0000	0 6
9043	June 29.	June 30.	Slight.	Slightly rusty.	1.70	5.00	2.85	.0000	.0296	.0236	.0060	.43	.0070	.0001	0.9
9147	July 27.	July 27.	Very slight.	Considerable.	1.20	4.75	2.40	.0010	.0280	.0222	.0058	.43	.0100	.0001	0.8
9294	Aug. 24.	Aug. 24.	Slight.	Considerable brown.	0.90	4.35	2.35	.0000	.0218	.0198	.0020	.48	.0070	.0000	1.7
9457	Sept. 28.	Sep. 29.	Slight.	Slight.	0.60	3.75	1.70	.0000	.0196	.0184	.0012	.53	.0090	.0001	0.9
9573	Oct. 26.	Oct. 27.	Slight.	Slight.	0.55	3.70	1.30	.0000	.0188	.0146	.0042	.49	.0090	.0000	0.7
9731	Nov. 28.	Nov. 29.	Very slight.	Very slight.	1.05	5.30	2.55	.0008	.0224	.0190	.0034	.60	.0100	.0001	1.4

Odor, vegetable and sweetish, becoming less strong on heating; rarely none. All samples were collected from the conduit at its entrance to the receiving reservoir.

Scale of colors: 0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

The surface of the storing reservoir remained at high water level until the middle of June, when it began to gradually settle, reaching its lowest point on November 9th, 43 inches. At this date, December 1st, there is recorded 24 inches below high water and rapidly filling.

The connection between Little Quittacas pond and the storing reservoir was closed on December 30th of last year and was opened on June 16th. It has flowed continuously since the latter date.

No work other than that necessary for the proper maintenance has been done in connection with the storing reservoir dam and conduit.

Engine No. 1 (McAlpine) has been in operation 2,144 hours 30 minutes, making 1,996,111 revolutions and pumping 584,860,523 gallons. Other than a renewal of the annular rubber plunger and foot valves of the west pump of this engine no important repairs have been found necessary.

The cost of pumping has been as follows, viz.:

Salaries 16 weeks,	at $94.95	$1,519.27	
48.3483 gross tons Lehigh coal,	" 5.15	248.99	
135.8486 " "	" 5.00	679.24	
232.8355 " Pocahontas coal.	" 4.20	977.91	
$\frac{1}{3}$ cord white pine wood,	" 4.00	1.33	
$32\frac{3}{8}$ gallons cylinder oil,	" .48	15.54	
$15\frac{7}{8}$ gallons sperm oil,	" .85	13.49	
$48\frac{1}{4}$ gallons lubricating oil,	" .32	15.44	
$63\frac{1}{2}$ lbs. of waste,	" .09	5.71	
$\frac{1}{4}$ gallon kerosene,	" .10	.02	
2 brooms,	" .25	.50	
5600 cubic feet of gas consumed,	" 1.50	8.40	
40,400 " " "	" 1.35	54.54	
Repairs to engine,		120.46	
Repairs to boilers,		3.51	$3,664.35

Cost of raising water into distributing reservoir, per million gallons, $6.26

Cost of raising water one foot high, per million gallons, $4\frac{64}{100}$ cents.

Engine No. 2 (Worthington) has been in operation 1,276 hours, making 1,449,780 revolutions and pumping 214,567,440 gallons. Only repairs of a trifling nature have been made.

The cost of pumping has been as follows, viz.:

Salaries 9 weeks,	at	$94.95	$854.59	
71.6520 gross tons Lehigh coal,	"	5.15	369.01	
87.4556 " "	"	5.00	437.28	
32.0090 " Pocahontas coal,	"	4.20	134.44	
½ cord white pine wood,	"	4.00	2.00	
16¼ gallons cylinder oil,	"	.48	7.80	
7½ gallons sperm oil,	"	.85	6.37	
10 gallons lubricating oil,	"	.32	3.20	
31 lbs. of waste,	"	.09	2.79	
10,500 cubic feet of gas,	"	1.50	15.75	
15,200 " "	"	1.35	20.52	
Repairs to engine,			34.96	
Repairs to boilers,			3.52	$1,892.23

Cost of raising water into distributing reservoir, per million gallons, $8.81

Cost of raising water one foot high, per million gallons, $6\frac{98}{100}$ cents.

Engine No. 3 (Worthington High Duty) has been in operation 3,645 hours 15 minutes, making 4,085,510 revolutions and pumping 792,588,940 gallons of water.

Owing to the worn condition of the high duty attachment of this engine it became necessary in May to replace that portion with an entirely new construction. This engine was erected in 1886. It was the first ever put into actual practice having this form of high duty attachment. This device was then a new idea and lacked the development which it has since received. As first constructed there was a lack of bearing surface in the compensating cylinder system and the design proved faulty in other respects. All these have been guarded against in the new work which has been placed this year and it is now expected

that very little will be needed in the matter of repairs for some time to come. The cost of the changes made this year was $1,720.44 and has been charged to the "extension" account. The total cost of this engine, including two upright Corliss boilers, foundations, steam connections, and all repairs up to this date has been $28,781.96.

The cost of pumping is herewith stated, viz.:

Salaries 27 weeks,	at	$94.95	$2,563.76	
204.0185 gross tons Lehigh coal,	"	5.15	1,050.69	
210.09 " "	"	5.00	1,050.45	
75.0359 " Pocahontas coal,	"	4.20	315.15	
½ cord white pine wood,	"	4.00	2.00	
80½ gallons cylinder oil,	"	.48	38.64	
21¾ gallons sperm oil,	"	.85	18.49	
71⅝ gallons lubricating oil,	"	.32	22.92	
89½ lbs. waste,	"	.09	8.05	
145 lbs. Jones compound for boilers,	"	.10	14.50	
3 lbs. 1-inch flax packing,	"	.65	1.95	
3 lbs. 1-inch rubber packing,	"	1.75	5.25	
5 water glasses,	"	.25	1.25	
3 brooms,	"	.25	.75	
14,100 cubic feet gas consumed,	"	1.50	21.15	
75,700 " "	"	1.35	102.19	
Repairs to engine,			114.73	
Repairs of boilers,			97.26	$5,429.18

Cost of raising water into distributing reservoir, per million gallons,	$6.85
Cost of raising water one foot high, per million gallons,	$5\frac{35}{100}$ cents.

The total cost of pumping for the past year may be summarized as follows, viz.:

1st. Figured on pumping station expenses, viz.:	$10,985.76
Cost of fuel used,	$5,268.49
Salaries engineers, firemen, watchmen,	4,937.62
Cost of oil, waste, packing, and other supplies,	405.21
Repairs and alterations on machinery and boilers,	374.44
Total pumping expenses,	$10,985.76

Raising water into reservoir, per million gallons,	$6.90
Raising water per million gallons, one foot high,	$5\frac{29}{100}$ cents.
2d. Figured on total maintenance,	$76,861.70
Raising water into reservoir, per million gallons,	$48.28
Raising water per million gallons, one foot high,	$37\frac{4}{100}$ cents.

Boilers Nos. 1 and 2 were condemned and removed from the building in December last and in the place formerly occupied by Boiler No. 1, there now stands the new Belpaire fire-box locomotive type of boiler.

This boiler is now connected and is at this date about ready for use. Acting under the suggestions and advice of Mr. E. D. Leavitt, mechanical engineer, you directed that plans and specifications which he outlined should be developed by Mr. F. W. Dean, mechanical engineer, of Boston. The high grade of workmanship in the boiler not only reflects credit upon the builder, Edward Kendall & Sons of Cambridgeport, but attests the fidelity which Mr. Dean has devoted to every detail of the work. All material and all parts of the construction were subjected to a rigid inspection by him and the boiler as it now stands is an exceedingly satisfactory addition to the plant. The following description will be of interest.

The boiler is of the locomotive type, having the Belpaire system of staying the crown sheet. It has two furnaces separated by a "water leg" and these furnaces come together into a common combustion chamber. The back end of the combustion chamber forms the front tube sheet, and from this the tubes pass to the smoke-box as in the case of the ordinary locomotive boiler. The gases pass out from the top of the smoke-box to the flue. In the smoke-box there is a feed water heater formed of 465 feet of $1\frac{1}{2}$-inch copper pipe.

There is a fire door in two parts to each furnace. Each grate is 3 feet 9 inches by 6 feet, making in all 45 square

feet of grate area. There is a brick arch in each furnace, reaching from the farther end toward the fire door, which compels the gases to travel towards the door and pass in contact with the brick before rising to the crown sheet. This aids in maintaining the gases at a high temperature and makes combustion more perfect. The distance from the furnace door to the front tube sheet is 14 feet 1½ inches. The gases from the coal travel, on account of this length and the effect of the brick arch, a mean distance of about 15 feet. This gives ample space and time for the combustion to be completed before the gases enter the tubes, where they are rapidly cooled below the temperature of combustion, and the total effect of the construction is to economize fuel and to dimish smoke. The distance from the grate to the crown-sheet is 6 feet.

The combustion chamber is cleaned from a door on the side.

The fire-box end of the boiler rests on a cast iron ash-pit having four doors, and the cylindrical portion rests upon a cradle which in turn rests on rollers. These rollers move upon a strong iron bed-plate, and the boiler is in this way permitted to expand freely.

Inside the boiler there is ample room for a man to pass over the tubes, and by the special construction adopted he can pass over the whole length of the crown-sheets. Under the tubes there is room for passage from the smoke-box to the fire-box.

The boiler is built of selected steel plate, for a working pressure of 160 pounds of steam per square inch with perfect safety, and has been tested to 240 pounds per square inch without sign of weakness in any part. It is expected that this boiler will prove to be the most economical in the country, without exception.

The following is a list of the leading dimensions:

Inside diameter of barrel,	82 inches.
Length of boiler over all,	31 feet.
Width of outside of fire-box,	8 feet 8½ inches.
Distance of top of boiler above floor,	10 feet 11 inches.
Length of each grate,	6 feet.
Width of each grate,	3 feet 9 inches.
Length of each furnace,	10 feet 7½ inches.
Length of combustion chamber,	3 feet 6 inches.
Number of tubes,	160.
Length of tubes,	12 feet 6 inches.
Outside diameter of tubes,	3 inches.
Total heating surface,	1998 square feet.
Total grate surface,	45 square feet.
Ratio of grate to heating surface,	44.4 to 1.

The remaining boilers are in good condition and have required very little in the matter of repairs during the past year.

The feed water heater connected with boilers 5 and 6 has failed, and was found to be so thoroughly worn out as to be of no further use. It has accordingly been removed and will be replaced by a heater made of coils of 1½-inch copper pipe.

As stated in the last report, the new work in steam piping has been so planned that a supply from the new boiler may be had at any or all engines at the same time. The total cost, from the commencement of this work last year up to this time, has been:

Removing old boilers,	$214.89	
Foundation for new boilers,	201.69	
New flue,	1,610.14	
Steam piping, valves, etc.,	3,222.90	
Boiler,	8,768.39	$14,016.01

The final payment of $2,700 upon the contract of the new boiler has not yet been paid and is not included in the foregoing statement.

The old chimney has been removed, and the tower which formerly enclosed it has had a very sightly stone observatory, matching other parts of the building, placed upon it. The cost has been $1,665.82.

The distributing mains have been increased 20,689 feet, and there has been 866 feet of pipe previously laid removed. The total number of miles of main pipe now in use is 68.6367.

A twelve-inch main has been laid in Cove street from Water street to East French avenue and south in East French avenue to Columbia avenue. This work required the placing of

1770 feet of 12-inch cast iron pipe.
101 " 6-inch " "
4 " 4-inch " "

The cost was as follows, viz. :

Pipe,	$1,991.91	
Special castings,	270.05	
Gates,	174.31	
Hydrants,	216.00	
Lead and gasket,	162.50	
Carting,	60.00	
Labor,	594.51	$3,469.28
Credit, by value of pipe, specials, etc., removed from Cove street,		211.94
Actual cost,		$3,257.34

There have been thirteen leaks upon the mains the past year, as herewith shown:

Date.	Size.	Location.	Cause.	Cost.
1892.				
Jan. 1	20-inch.	State street at Merrimac.	Leaky gate.	$4.00
Feb. 29	6 "	Front street, south of Middle.	Pipe burst.	10.09
July 5	4 "	Old Point road.	Joint started	2.67
July 12	4 "	Bedford street, west of County.	Pipe broken by sewer department.	2.00
July 29	4 "	Front street, at copper w'ks.	Pipe broken by sewer department.	12.10
Sept. 18	6 "	Fifth street, north of Grinnell.	Pipe broken by road roller.	15.00
Sept. 20	6 "	Front street, north of Logan.	Pipe broken by sewer department.	12.49
Oct. 9	2 "	Fulton court, north of Logan.	Pipe broken by sewer department.	9.90
Oct. 12	6 "	Bedford street, west of Sixth.	Pipe burst.	16.56
Oct. 20	8 "	Kempton street, east of Palmer.	Joint started	3.38
Nov. 9	6 "	Union street, at Arch.	" "	3.33
Nov. 25	6 "	Court street, at house of correction connection.	" "	4.62
Nov. 27	6 "	Water street, foot of North.	" "	7.66

The department has been called upon to place a very large amount of pipe within the enclosures of the different mills. In this connection there has been laid over 590 gross tons of pipe, the whole expense of which has been paid for by the corporation for whom the work was done. So much pipage work has been required the past season to place the new mills in proper shape for operation that it was decided not to attempt to place the new work in Union and Purchase streets until another season.

A very large amount of work will be required the coming year in extending the mains. Many new streets have been opened at both extremities of the city and little can be done in the way of developing the adjacent land until a supply of water reaches these places.

Three hundred ninety-seven service pipes have been laid during the past year and five of those previously laid have been removed. The total number now in use is 7,134.

One hundred twenty-three service taps have been cleared, as follows, viz.: Rust 119, trouble inside 4.

Sixty new hydrants have been set and seventeen of those previously set have been removed. The total number now in use is 542.

Forty-two new stop gates have been set and one previously set has been removed. Total number now in use, 742.

Two new waste gates have been set. Total number now in use, 72.

Six private stop gates have been set and one removed. Total number now in use, 162.

Ninety-eight feet of small sized distribution pipe (less than four-inch) have been laid and 120 feet removed. Total length now in use, 5,922 feet.

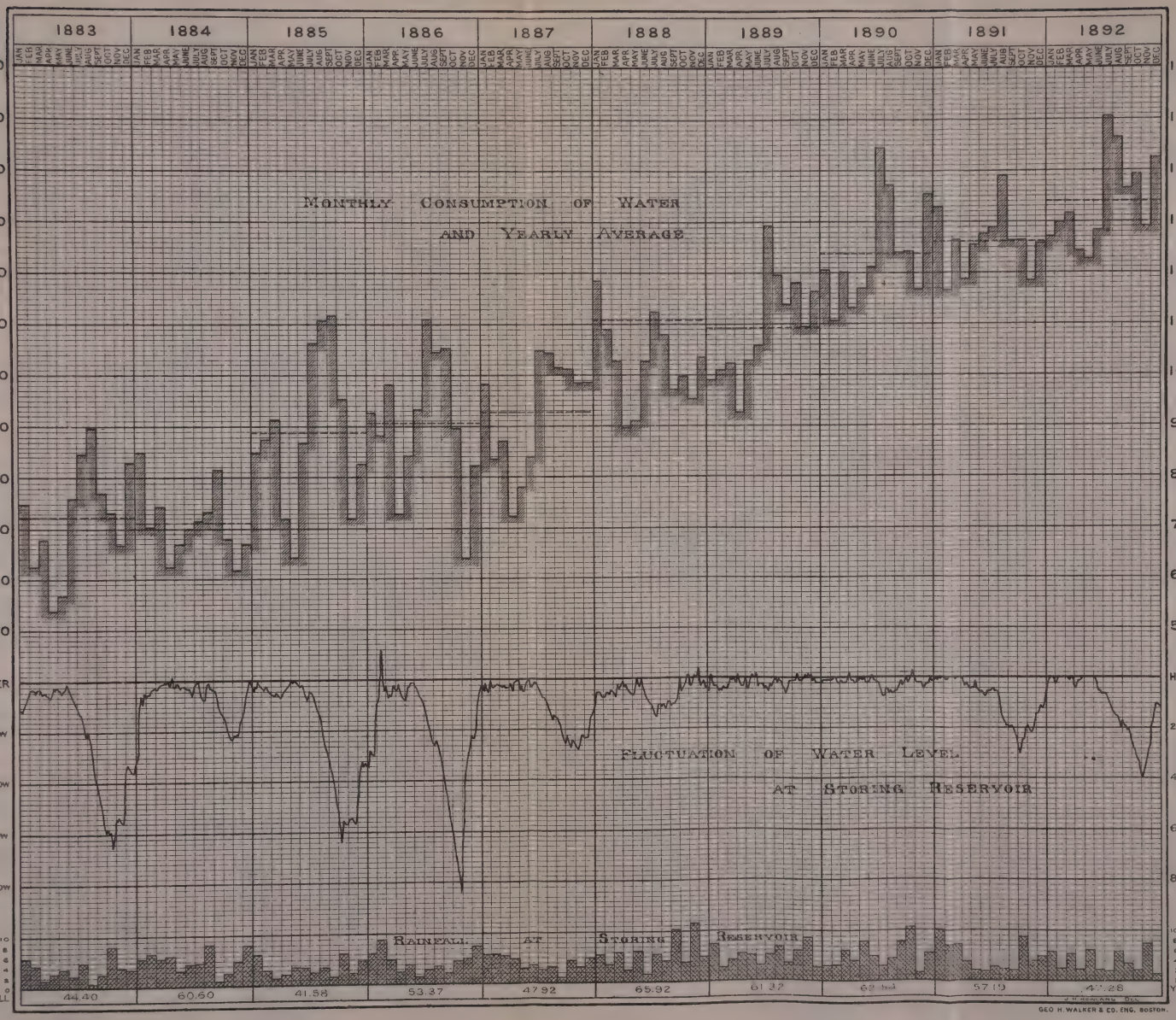
The total number of small sized stop gates (less than four-inch) is 62.

The total number of motors is 31.

The total number of meters is 144.

The following tables, together with the annexed diagram, present interesting statistics in regard to the consumption, the fluctuation of the water level in the storing reservoir, and the rainfall.

NEW BEDFORD WATER WORKS



Monthly Consumption and Record of Pressure at the City Hall.

1892. Month.	Monthly Consumption. Gallons.	Daily Average. Gallons.	Lbs. Pressure. 10 A. M.			Lbs. Pressure. Midnight.		
			Max.	Min.	Av.	Max.	Min.	Av.
January,	127,124,919	4,100,804	35	30	32	37	31	35
February,	129,929,005	4,480,315	35	24	31	36	31	34
March,	131,484,541	4,241,437	34	30	32	36	32	34
April,	124,317,126	4,143,904	34	30	32	36	32	34
May,	122,719,258	3,926,428	35	30	32	36	33	35
June,	128,360,888	4,278,696	34	30	32	35	32	34
July,	150,666,241	4,863,375	34	27	30	35	31	34
August,	146,347,907	4,785,496	34	30	32	35	34	35
September,	136,473,279	4,549,109	35	30	32	35	34	35
October,	139,161,203	4,489,071	34	30	32	35	34	35
November,	128,984,814	4,299,494	35	30	33	35	34	35
December,	142,385,985	4,593,096	34	30	32	36	33	35
Averages,	133,996,264	4,393,320	35	30	32	35	33	35

COMPARISON OF THE CONSUMPTION OF THE YEAR 1892 WITH THE RECORD OF THE ELEVEN PREVIOUS YEARS.

Year.	Estimated Population.	Estimated No. of Consumers.	Total Number of Gallons Consumed.	Average Daily Consumption.	No. of Taps.	Gals. per day to each inhabitant.	Gals. per day to each consumer.	Gals. per day to each tap.
1881,	27,000	19,044	844,249,647	2,313,012	3985	86	122	589
1882,	28,500	20,424	859,119,622	2,326,352	4203	82	114	553
1883,	30,000	22,249	849,059,700	2,326,191	4465	78	105	521
1884,	33,000	23,749	867,815,595	2,371,080	4691	72	100	506
1885,	33,700	25,375	1,049,801,050	2,876,167	4965	85	113	579
1886,	34,500	28,480	1,086,534,615	2,976,807	5225	86	104	569
1887,	36,000	30,080	1,112,302,789	3,047,404	5495	85	101	555
1888,	37,500	31,826	1,229,841,794	3,360,223	5785	89	109	581
1889,	40,000	34,000	1,310,488,214	3,590,379	6104	90	106	588
1890,	41,500	35,740	1,485,143,213	4,066,200	6394	98	114	636
1891,	45,000	38,500	1,513,161,482	4,145,648	6742	92	108	615
1892,	50,000	41,776	1,607,955,166	4,393,320	7134	88	105	616

The maximum daily consumption was on Wednesday, July 27th,—6,529,798 gallons; and the minimum was on Sunday, May 22d,—2,808,806 gallons.

It is fair to presume that our city will continue to add to its population and the consumption will increase proportionately with the new growth. The time is near at hand when an addition to our present supply will be an absolute necessity. The problem is before you and requires earnest attention. It cannot be laid aside much longer. The conduit leading from the storing reservoir has a capacity

barely sufficient to maintain our present population through a long, dry season. What shall be done to meet the demands of new manufactories as they locate in our city limits? In some respects we are unfortunate as compared with our sister mill cities. Almost without exception, their factories have recourse to bodies of fresh water at their very doors, other than the city supply. Not so with us, for here every industry must wholly depend upon the ability of the Water Department for an adequate supply. What a calamity would ensue should our mills, through some unforeseen accident, be deprived of this supply, if only for a single day. In other respects we are fortunate. The lakes north of us contain the required amount, and the problem of delivering it to the city is simply one of engineering skill and expense.

Your attention is especially invited to that portion of the last report wherein mention is made regarding further protection of the purity of our sources of supply. A strip of land should be condemned and held for the use of this department around the margins of both Little Quittacas pond and the storing reservoir. It should also obtain complete control of the right of way wherein the conduit is located.

Regarding the waste of water, I have nothing to add to the remarks made in the report of last year, to which your attention is again invited.

Respectfully submitted.

R. C. P. COGGESHALL,

Superintendent.

TABLE A.

Showing Rainfall at Storing Reservoir for 1892.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1							.60	.28				.04
2	.43		.40		.25		.05	.10				
3	1.20	.75	.83		.33	.06	.14	.18			.30	
4		.05	.04		.26		.68			.28		
5			.02					.16	.96	.91	.07	
6	.65						.10					.04
7	.06											
8		.31	.62								.78	
9		.02	.42			.10				.30		.62
10			.42							.04	2.12	.10
11	.08	1.22			1.00							
12	.14				.06			1.77				
13	.52					.15						
14	.05								.61			.25
15	.94	.14		.41	1.28				1.44			.04
16	.03						.13			.46	1.67	
17						.50				.05		
18	.05		1.32			.12					.40	
19	1.72		.18			.23						
20	.02				1.43							.18
21					.61							
22				1.04	.05							
23			1.16	.38	.32	.63						
24						.15			.05			
25						.10	.33					
26					.08	.05		2.04	.50	.05		
27								1.31				
28					.17	.20		.16				
29				.42						.15	1.08	
30				.04	.30						1.25	
31												
Totals,	5.89	2.49	5.41	2.29	6.14	2.29	2.03	6.00	3.56	2.24	7.67	1.27

Total fall for the year, 47.28.

TABLE A.

Rainfall as recorded at the Storing Reservoir for the past 15 years.

Years.	MONTHS.												Totals.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1878,	8.03	5.75	6.71	6.13	3.29	2.66	2.89	3.60	1.30	8.88	7.96	6.77	63.97
1879,	3.31	2.57	6.27	7.14	2.25	4.34	4.89	5.74	2.86	1.02	4.44	4.63	49.45
1880,	2.02	3.13	5.12	5.79	1.32	1.94	9.46	7.91	2.27	3.87	3.49	3.28	49.60
1881,	5.82	7.48	7.21	2.16	3.17	8.92	1.80	1.28	5.24	.75	6.51	2.98	53.32
1882,	3.80	6.40	3.99	5.05	4.55	3.48	3.02	1.36	7.78	4.39	2.58	3.70	50.10
1883,	5.92	4.44	1.63	2.80	3.70	2.14	4.97	.70	2.68	8.05	3.82	3.55	44.40
1884,	5.55	6.68	5.53	6.03	3.20	4.45	4.67	8.17	.96	2.47	4.84	8.05	60.60
1885,	6.14	4.03	1.38	2.13	3.63	3.61	2.54	3.48	1.49	6.14	2.23	4.78	41.58
1886,	6.20	8.86	4.87	2.44	3.99	1.38	2.87	3.50	2.15	4.58	5.06	7.47	53.37
1887,	5.71	5.80	5.65	4.85	2.82	3.51	2.68	3.22	1.01	4.56	3.19	4.92	47.92
1888,	5.50	3.57	5.98	2.38	6.26	1.58	5.67	4.28	10.35	3.88	11.47	5.00	65.92
1889,	7.42	2.69	4.21	5.51	5.17	3.03	5.17	6.82	3.68	6.10	8.77	2.71	61.48
1890,	3.07	3.16	6.11	4.12	8.00	5.01	3.07	4.52	7.83	10.66	1.52	5.47	62.54
1891,	10.08	7.16	7.34	3.80	2.04	1.80	2.73	2.32	2.10	8.73	4.07	5.02	57.19
1892,	5.89	2.49	5.41	2.29	6.14	2.29	2.03	6.00	3.56	2.24	7.67	1.27	47.28
Totals,	84.46	74.21	77.41	62.62	59.53	50.14	58.46	62.90	55.26	76.32	77.62	69.60	808.72
Avgs.,	5.63	4.95	5.16	4.17	3.97	3.34	3.90	4.19	3.68	5.09	5.17	4.64	53.91

TABLE A.

Showing Rainfall at Pumping Station for 1892.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1												.03
2			.80	.02	.18		.42					
3	.86	.52			.14	.09	.02	.06			.40	
4			1.00	.21	.17		.56			.15	.05	.02
5								.24	.89	.78	.05	
6	.55					.32	.13					
7												.26
8		.32									.61	
9			.94	.09		.09				.23		.50
10						.02	.08				2.10	.10
11		1.19	.35									
12					.91			1.69				
13												
14									.46			.25
15	1.33	.18		.40	.84	.03			1.22		.03	
16							.15			.44	1.10	
17										.03	.07	
18						.86					.31	
19	.98		1.57			.08						
20	.60				1.09				.04			.30
21					.61			.02				
22		.01		.69								
23			.70	.44	.24	.14						
24	.01					.07			.12			
25						.20	.42		.04			.04
26					.04				.77	.04		
27					.07			1.01			.03	
28					.11	.29	.06	.76				
29				.44						.18		
30					.75	.02					1.77	
31							.07	.04				
Totals,	4.33	2.22	5.36	2.29	5.15	2.21	1.91	3.82	3.54	1.85	6.52	1.50

Total fall for the year, 40.70.

TABLE A.

Showing Rainfall at New Bedford, as Registered by T. R. Rodman, for 1892.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1												
2		.48	1.10		.18		.42					.11
3	.86	.08	.40		.11	.02	.01	.04			.54	.01
4			.16		.20		.58	.04		.20	.09	
5				.23				.32	.93	.88	.05	
6	.68					.18	.09					
7												.27
8		.32									.54	
9			1.20	.11		.39				.01		.40
10							.08			.16	2.16	
11	.04		.35		.76							.10
12		1.26			.07			2.42				
13												
14	.66								.42			.29
15	.78	.19		.46		.02			1.20		.04	
16					.75		.12			.36	1.12	
17											.08	
18						.77						
19	.94		1.87			.02			.06		.29	
20	.50				1.24	.04						.35
21												
22				.62	.64							
23			.70	.45	.22	.19						.04
24		.01				.19			.11			
25	.02					.18	.30					.07
26					.08			1.08	.86	.06		
27					.22			.56	.07			
28					.21	.23	.03	.07				
29				.44			.04			.19	.01	
30											1.86	
31					.78		.05	.05				
Totals,	4.48	2.34	5.78	2.31	5.46	2.23	1.72	4.58	3.65	1.86	6.78	1.64

Total fall for the year, 42.83.

TABLE A.

Rainfall for the Past 79 Years. Furnished from the Records of Thomas R. Rodman.

Years.	Months.												Totals
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1814	1.42	8.30	2.16	5.46	4.23	2.27	.99	6.44	3.06	1.73	5.37	1.65	43.08
1815	4.55	3.32	5.02	4.66	4.11	2.22	1.96	4.36	2.51	1.47	3.45	3.15	40.78
1816	2.12	6.82	2.47	5.50	6.15	2.33	1.01	1.46	6.05	3.96	5.56	.70	44.13
1817	3.96	5.26	1.77	2.60	1.19	7.00	.88	3.21	4.09	1.19	6.64	5.54	43.33
1818	3.31	.91	3.31	3.94	6.79	3.51	3.32	1.66	5.52	2.84	3.35	2.31	40.77
1819	1.25	2.54	7.30	3.31	2.06	3.32	1.57	6.00	4.81	3.84	1.92	1.74	39.66
1820	1.46	5.02	4.44	1.23	5.41	.46	3.71	4.38	2.01	6.22	3.75	3.23	41.32
1821	2.32	5.96	2.52	6.09	5.42	3.78	2.41	2.23	4.11	4.96	2.94	2.90	45.64
1822	3.29	3.70	3.31	4.76	.58	2.58	5.14	3.51	6.05	2.97	3.62	2.27	41.78
1823	4.84	5.00	8.43	1.83	7.67	3.20	4.63	3.90	2.08	5.06	3.51	9.74	59.89
1824	3.84	5.32	3.61	5.74	2.68	3.14	2.44	6.21	4.88	2.55	3.54	3.39	47.34
1825	2.80	2.21	6.06	1.42	2.11	3.71	2.06	3.52	1.68	2.78	1.81	7.93	38.09
1826	2.19	3.85	4.08	2.92	.73	2.11	2.44	18.72	1.44	7.47	4.50	4.32	54.77
1827	3.14	3.99	4.88	3.46	6.94	4.42	4.36	7.63	5.65	6.68	8.42	3.33	62.90
1828	3.02	3.25	4.31	3.48	3.91	4.04	3.02	1.15	3.63	3.62	5.16	.45	39.04
1829	9.06	5.76	7.03	4.79	8.59	2.92	3.40	7.53	3.49	3.53	7.18	2.13	65.41
1830	4.20	3.07	4.77	2.25	6.63	3.71	2.00	6.22	5.20	3.54	6.18	6.89	64.66
1831	7.47	3.53	5.24	7.38	4.45	3.52	7.26	3.32	5.86	6.04	3.68	3.43	61.18
1832	3.98	5.36	3.02	3.41	6.55	.41	1.69	8.30	3.00	2.64	4.43	6.52	49.31
1833	3.91	2.37	1.92	2.31	4.14	4.25	1.38	2.57	1.88	5.70	5.51	6.68	42.62
1834	2.76	1.61	1.95	2.94	4.74	7.30	3.42	1.81	5.63	5.25	4.23	3.48	45.12
1835	3.35	1.80	6.52	6.84	2.65	2.52	1.56	10.16	.90	2.99	2.97	4.95	47.21
1836	9.53	4.62	3.78	2.78	1.76	4.93	1.90	1.12	1.28	2.58	4.53	4.02	42.83
1837	3.69	3.75	4.47	3.33	6.47	4.41	2.15	4.37	.54	1.34	1.50	3.05	39.07
1838	3.00	2.41	2.90	2.15	3.02	2.84	1.55	2.99	6.71	5.38	4.36	.97	38.28
1839	.77	2.71	2.44	4.83	4.96	2.51	2.76	5.89	3.38	5.86	2.01	6.26	44.38
1840	3.25	2.68	3.99	4.56	5.82	3.69	2.14	2.88	3.07	6.93	7.52	3.06	49.59
1841	5.77	1.75	4.06	9.27	1.66	1.44	3.05	5.05	2.90	4.70	5.30	5.85	50.60
1842	2.47	4.34	2.89	3.77	3.17	7.40	1.34	1.97	2.00	.86	3.66	5.79	39.06
1843	3.94	4.18	4.02	6.19	1.39	1.45	3.31	7.13	1.77	6.86	5.09	5.34	50.67
1844	4.19	2.18	6.65	1.79	2.60	.90	3.08	2.49	4.15	4.56	4.01	4.13	40.73
1845	4.16	3.00	3.04	1.87	3.79	2.34	3.09	3.37	4.49	4.29	9.72	4.90	48.06
1846	3.09	2.57	1.74	1.20	6.40	.99	2.61	3.07	2.48	1.68	3.80	4.88	34.51
1847	3.33	4.57	3.25	1.66	2.64	6.46	2.41	7.15	7.20	.62	1.52	5.10	45.91
1848	3.75	4.22	2.89	1.46	3.88	2.99	4.04	1.16	1.89	5.43	3.30	5.73	40.74

1849	.88	2.07	5.70	2.23	2.43	1.59	1.22	4.88	1.24	5.71	5.15	3.32	36.42
1850	5.87	2.22	6.05	9.25	4.49	1.23	2.26	6.29	12.06	2.62	2.82	7.51	62.67
1851	2.24	6.20	3.27	4.84	4.78	1.18	9.22	3.49	3.75	5.37	4.76	2.51	51.61
1852	3.91	3.57	5.50	7.86	3.50	1.71	2.55	5.49	2.01	2.03	3.66	4.35	46.14
1853	1.69	4.67	1.28	3.92	4.36	.92	3.95	2.95	3.84	3.52	3.92	4.45	39.47
1854	1.99	5.67	2.15	6.83	3.565	3.025	7.435	.235	8.37	1.485	9.665	3.40	53.82
1855	4.725	2.62	1.95	4.24	3.635	1.835	4.79	1.42	.62	4.655	4.825	5.68	40.995
1856	5.185	1.27	1.64	3.205	3.96	2.115	3.32	2.81	4.555	1.89	3.26	3.88	37.09
1857	6.20	1.845	2.52	5.905	3.69	2.305	4.615	3.94	2.315	2.635	1.845	5.49	43.305
1858	2.465	1.28	2.28	4.39	2.025	5.155	6.75	5.05	3.015	3.205	3.835	4.58	44.03
1859	8.53	4.40	6.64	3.44	5.135	6.155	.955	4.015	3.645	2.07	2.105	4.34	51.43
1860	1.37	3.50	2.825	2.865	2.795	3.26	2.96	5.00	5.245	1.825	3.435	4.65	39.73
1861	4.19	3.25	4.06	5.44	4.42	3.115	1.705	5.00	3.50	4.295	4.58	2.905	46.46
1862	3.27	3.875	2.805	1.665	2.855	8.05	3.065	1.20	3.985	5.625	4.47	2.455	43.32
1863	2.75	4.165	4.265	4.335	3.520	2.49	4.265	2.51	2.50	1.895	7.03	5.37	45.095
1864	4.35	1.51	5.52	3.10	2.93	1.08	1.50	7.675	2.28	2.35	4.185	4.485	40.965
1865	5.51	3.915	4.90	3.235	6.36	1.66	5.15	1.21	.265	4.93	4.47	4.405	46.01
1866	2.30	4.54	3.695	2.06	4.15	4.175	1.855	3.60	5.325	2.635	2.65	3.31	40.295
1867	2.845	5.085	5.58	3.175	3.85	2.36	6.03	5.705	2.435	3.96	1.99	4.095	47.11
1868	6.17	2.43	4.64	5.96	9.42	6.51	3.785	4.495	5.91	1.68	2.985	2.34	56.325
1869	3.97	5.335	6.215	1.42	5.915	4.45	1.625	2.765	2.62	6.75	2.305	6.565	49.935
1870	6.195	4.55	3.46	6.195	3.505	3.62	3.05	1.69	1.28	6.64	3.28	3.70	47.165
1871	3.255	3.28	4.86	3.93	2.675	5.39	1.92	6.35	2.235	6.385	6.985	2.335	49.60
1872	2.645	2.415	5.33	2.27	3.51	2.685	6.395	4.04	4.58	5.79	3.585	4.42	47.665
1873	7.235	4.93	2.89	3.985	4.95	1.435	1.225	4.165	3.17	5.335	6.315	6.06	51.695
1874	4.27	4.27	1.59	8.57	5.11	3.695	3.845	7.66	2.94	.55	3.49	3.345	49.335
1875	3.78	3.67	7.86	4.045	4.195	4.985	4.005	4.595	2.38	3.02	4.855	.94	48.33
1876	1.015	4.85	5.535	3.850	1.68	.73	3.865	1.23	4.40	1.52	8.420	5.09	42.185
1877	3.060	1.79	9.420	3.130	2.92	2.36	4.930	3.39	.83	7.66	6.595	.95	47.035
1878	5.970	4.05	4.770	4.945	2.91	2.97	2.360	5.38	1.04	5.93	5.740	4.49	50.555
1879	3.420	3.00	5.560	5.120	1.83	2.78	3.590	4.37	3.18	1.19	3.550	4.72	42.310
1880	2.060	2.97	4.850	3.490	1.37	1.96	6.590	5.62	1.68	3.11	2.440	3.92	40.070
1881	4.140	5.83	4.740	1.790	2.39	5.14	1.650	.79	3.29	1.52	5.780	2.04	39.100
1882	4.140	6.23	2.480	4.060	4.74	1.70	1.520	.89	6.26	4.00	1.910	3.45	41.380
1883	4.730	4.67	2.080	2.930	3.60	1.46	6.920	.85	2.74	6.36	3.280	3.89	43.510
1884	4.850	5.72	5.290	5.170	3.33	5.38	4.800	8.49	.98	1.63	3.550	5.80	54.990
1885	5.200	2.76	1.490	2.660	3.15	4.06	1.170	4.23	1.85	4.04	3.160	3.04	36.810
1886	6.770	7.05	5.090	2.190	4.39	1.99	2.690	2.76	2.15	4.23	3.760	6.78	49.850
1887	6.020	6.25	5.830	5.450	2.24	3.15	3.610	6.68	1.71	3.95	2.600	4.28	51.770
1888	4.380	2.63	5.660	2.420	5.57	1.45	5.170	4.89	9.52	2.66	7.390	3.33	55.070
1889	5.79	2.92	2.83	4.31	5.14	3.83	5.44	5.73	3.87	4.11	6.07	2.67	52.71
1890	2.66	2.36	9.77	4.09	6.73	5.90	1.91	3.82	7.55	10.09	1.32	5.49	61.69
1891	8.36	7.00	5.81	2.78	2.44	1.55	1.97	2.09	2.31	6.97	3.17	3.38	47.83
1892	4.48	2.34	5.78	2.31	5.46	2.23	1.72	4.58	3.65	1.86	6.78	1.64	42.83
Totals.	313.815	300.885	336.700	310.235	316.910	249.890	263.430	336.950	278.480	307.805	341.410	321.600	3,678.170
Avgs.	3.972	3.808	4.262	3.927	4.012	3.162	3.335	4.265	3.525	3.896	4.322	4.071	46.559

TABLE B.

Statement of Work done by Pumping Engine No. 1 (McAlpine) for the year ending December 1, 1892.

MONTHS.	Number of days or parts of days pumping.	Total pumping time per month.	Total number of strokes per month.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	No. of gallons pumped per pound of coal for total coal.	No. of gallons raised 100 feet per pound of coal for total coal.	Av. dynamic head against pump in feet, no allowance for friction in suction.	Av. duty in pounds raised one foot high per 100 lbs. of coal, calculated on total fuel used for all purposes, no deductions.	Av. duty in pounds raised one foot high per 100 lbs. of coal, calculated on amt. of combustible coal used while pumping.
						COAL.										
					lbs. of wood Wood 3 =Coal	Raising steam and banking.	Ashes and clinkers.	Pumping.	Total.	Total fuel.						
		H. M.	STROKES		LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	GALS.	GALS	GALS	FEET.	LBS.	LBS.
December, 1891,																
January, 1892,	14	243 30	227,319	15.6	0	7,200	14,354	86,746	108,300	108,300	66,604,467	615	829	134.75	69,114,588	86,287,666
February, "																
March, "																
April, "	6	110 00	102,456	15.5	100	4,200	6,448	38,952	49,600	49,700	30,019,608	605	818	135.23	70,134,125	89,486,189
May, "	24	415 00	384,645	15.4	0	14,400	23,509	142,991	180,900	180,900	112,700,985	623	841	135.02	70,154,139	88,753,025
June, "																
July, "	4	84 00	79,542	15.8	0	0	4,901	32,799	37,700	37,700	23,305,806	618	839	135.74	69,983,663	80,440,992
August, "	21	324 00	300,775	15.5	0	5,000	17,778	113,972	136,750	136,750	88,127,075	644	870	135.14	72,632,666	87,148,748
September, "	9	160 00	151,776	15.8	0	5,400	9,289	57,611	72,300	72,300	44,470,368	615	830	134.94	69,221,209	86,870,449
October, "	23	370 30	344,257	15.5	100	10,800	12,684	134,816	158,300	158,400	100,867,301	637	861	135.22	71,812,857	84,375,419
November, "	26	437 30	405,341	15.5	0	13,900	15,228	161,172	190,300	190,300	118,764,913	624	844	135.18	70,360,329	83,076,282
Totals and Av.,	127	2,144 30	1,996,111	15.5	200	60,900	104,191	769,059	934,150	934,350	584,860,523	626	846	135.10	70,528,414	85,686,825

TABLE B.

Statement of Work done by Pumping Engine No. 2 (Worthington) for the year ending December 1, 1892.

MONTHS.	Number of days or parts of days pumping.	Total pumping time per month.	Total number of strokes per month.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	No. of gallons pumped per pound of coal for total coal.	No. of gallons raised 100 feet per pound of coal for total coal.	Av. dynamic head against pump in feet, no allowance for friction in suction.	Av. duty in pounds raised one foot high per 100 lbs. of coal, calculated on total fuel used for all purposes, no deductions.	Av. duty in pounds raised one foot high per 100 lbs. of coal, calculated on amt. of combustible coal used while pumping.
					lbs. of wood / Wood ——— = Coal 3	COAL.				Total fuel.						
						Raising steam and banking.	Ashes and clinkers.	Pumping.	Total.							
		H. M.	STROKES		LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	GALS.	GALS	GALS	FEET.	LBS.	LBS.
December, 1891,	5	108 00	122,749	19.0	100	1,200	5,161	33,339	39,700	39,800	18,166,852	458	578	126.22	48,049,717	57,361,610
January, 1892,	16	360 00	414,785	19.2	0	600	15,379	102,321	118,300	118,300	61,388,180	519	656	126.46	54,729,218	63,276,028
February, "	1	11 00	12,034	18.2	0	0	325	2,175	2,500	2,500	1,781,032	712	894	125.61	74,631,467	85,782,836
March, "																
April, "																
May, "	3	58 00	64,988	18.7	0	600	2,470	15,930	19,000	19,000	9,618,224	506	643	127.08	53,651,830	63,991,511
June, "	11	235 30	266,869	18.9	0	1,200	9,997	65,703	76,900	76,900	39,496,612	514	649	126.24	54,075,002	63,290,377
July, "	3	48 00	53,670	18.6	100	1,200	2,262	13,938	17,400	17,500	7,943,160	456	576	126.09	47,731,156	59,929,347
August, "	21	347 30	393,384	18.9	0	1,600	14,989	98,711	115,300	115,300	58,220,832	505	637	126.22	53,154,903	62,087,916
September, "																
October, "	2	36 00	40,429	18.7	0	0	936	10,764	11,700	11,700	5,983,492	511	650	127.27	54,282,638	59,002,868
November, "	4	72 00	80,872	18.7	67	1,200	2,184	23,916	27,300	27,367	11,969,056	438	551	125.79	45,882,268	52,502,928
Totals and Av.,	66	1,276 00	1,449,780	18.9	267	7,600	53,703	366,797	428,100	428,367	214,567,440	501	633	126.29	52,757,332	61,613,100

TABLE B.

Statement of Work done by Pumping Engine No. 3 (Worthington) for the year ending December 1, 1892.

MONTHS.	Number of days or parts of days pumping.	Total pumping time per month.	Total number of strokes per month.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	No. of gallons pumped per pound of coal for total coal.	No. of gallons raised 100 feet per pound of coal for total coal.	Av. dynamic head against pump in feet, no allowance for friction in suction.	Av. duty in pounds raised one foot high per 100 lbs. of coal, calculated on total fuel used for all purposes, no deductions.	Av. duty in pounds raised one foot high per 100 lbs. of coal, calculated on amt. of combustible coal used while pumping.
					lbs. of wood = Coal	COAL.				Total fuel.						
					Wood / 3	Raising steam and banking.	Ashes and clinkers.	Pumping.	Total.							
		H. M.	STROKES		LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	GALS.	GALS	GALS	FEET.	LBS.	LBS.
December, 1891,	24	483 00	549,625	19.0	0	4,800	18,525	119,175	142,500	142,500	106,627,250	748	957	127.87	79,797,274	95,415,243
January, 1892,																
February, "	29	593 40	655,102	18.4	67	5,200	23,148	149,852	178,200	178,267	127,089,788	713	909	127.54	75,831,939	90,211,224
March, "	29	616 50	685,734	18.5	0	3,200	24,130	158,270	185,600	185,600	133,032 396	717	920	128.38	76,743,723	89,995,798
April, "	22	438 30	490,684	18.6	0	4,400	17,397	112,103	133,900	133,900	95,192,696	711	913	128.44	76,153,417	90,960,479
May, "																
June, "	24	412 15	455,004	18.7	67	6,600	16,318	102,682	125,600	125,667	88,270,776	703	897	127.55	74,720,920	91,446,932
July, "	25	547 00	616,059	18.8	0	4,200	21,024	136,576	161,800	161,800	119,515,446	739	945	127.82	78,742,715	93,285,580
August, "																
September, "	20	414 30	474,750	19.1	133	1,200	10,014	113,966	125,180	125,313	92,101,500	736	942	128.03	78,478,081	86,291,734
October, "	7	139 30	158,552	18.9	0	600	3,432	38,868	42,900	42,900	30,759,088	717	916	127.69	76,355,285	84,276,055
November, "																
Totals and Av.,	180	3,645 15	4,085,510	18.7	267	30,200	133,988	931,492	1,095,680	1,095,947	792,588,940	723	925	127.93	77,160,824	90,783,585

TABLE C.

Location and Size of Pipe Laid in 1892.

STREETS.	CAST IRON.				
	12 in.	10 in.	8 in.	6 in.	4 in.
Acushnet avenue, from 353 feet south of Potomska south,				60	
Allen street, from 159 feet east of Page to Short street,		379			
Armour street, Court street south,				146	
Ashland street, Weld street north,			454		
Babbitt street, from 539 feet west of Dartmouth to Field street,				109	
Bay street, Ward west,				213	
Beetle street, from 95 feet east of Acushnet avenue to Howard street,				66	
Belleville avenue, Washburn street north,				148	
Belleville avenue, Coggeshall south,				359	
Belleville avenue, from 231 feet north of Coggeshall street north and connected,				226	
Belleville avenue, from 97 feet south of Nye street to 228 feet north of Dean,		862			
Bethel street, Elm street south,					111
Bolton road, Rivet north,		272			
Bullock street, from 58 feet south of Austin to Willow street,				166	
Chancery street, Arnold south,					352
Chestnut street, Locust north,				99	
Clay street, from 214 feet east of Oak street east,				90	
Coffin avenue, from 26 feet east of Front street east,				496	
Coggeshall street, County west,				167	
Columbia street, from 68 feet north of Clay street north,				339	
Cottage street, from 173 feet south of Kempton south,				49	
Cottage street, Parker to Locust,				537	
Cottage street, Austin south,				108	
County street, Clark north,				85	
Cove street, Water east,	1801				
Crapo street, Division north,				118	
Dartmouth street, from 311 feet south of Rivet south,			190		
Dean street, from 3 feet west of Belleville avenue to Belleville avenue,	24				
Division street, from 4 feet east of Crapo street to Crapo street,				18	
Field street, from Babbitt south,				365	
Front street, from 1 foot south of north line of Blackmer north,			193		

Location and Size of Pipe — *Continued.*

STREETS.	CAST IRON.				
	12 in.	10 in.	8 in.	6 in.	4 in.
Front street, from 237 feet north of Cedar Grove north and connected,				95	
Front street, Sawyer north,		265			
Granfield street, Coggeshall north,					294
Grove street, from 295 feet east of Ash east,				97	
Hall street, Rivet north,					269
Harbor street, Cove north,			575		
Harbor street, Gifford south,			25		
Hemlock street, Rockland south,				246	
Howard street, Coggeshall to Beetle,				370	
Independence street, from 154 feet west of County west,				326	
James street, from 391 feet south of Union south,				109	
James street, Court south,				119	
Madison street, from 89 feet west of Sixth west to Seventh street,			140		
McGurk street, from 265 feet north of Old Point road north,				83	
Mosher street, from 573 feet west of County west,					156
Myrtle street, from 17 feet south of Weld to Linden,				468	
Nye street, Belleville avenue west,				26	
Nye street, Acushnet avenue east,				342	
Oak street, from 177 feet north of Grape north,				247	
Old Point road, from 650 feet east of West French avenue east,					2357
Page street, Allen south,			171		
Park street, Arnold north,			230		
Reed street, Elm south,				309	
Reed street, from 208 feet south of Kempton south,				87	
River street, Belleville avenue west,				553	
Robeson street, from 382 feet west of Ashland west,				48	
Robeson street, from 7 feet east of Cedar east,				135	
Rockland street, from 444 feet east of Dartmouth to Hemlock,			43		
Salisbury street, Cove south,				616	
Scott street, County west,				187	
Second street, from 170 feet south of Division to Cove,			518		
Shawmut avenue, Durfee to Grand,			1096		
Short street, Allen south,				145	
Social street, Harmony east,				122	

Location and Size of Pipe — *Concluded.*

STREETS.	CAST IRON.				
	12 in.	10 in.	8 in.	6 in.	4 in.
Spooner street, Lombard west,					120
Viall street, Cove south,				32	
Weaver street, Dartmouth west,					232
Weld street, County to Reynolds,		359			
Weld street, Myrtle to Ashland,		298			
Willow street, Bullock west,				177	
	1825	2435	3635	8903	3891

Main Pipe Removed in 1892.

STREETS.	CAST IRON.	
	8 in.	6 in.
Cove street, Water east,		771
Weld street, County west,	82	
Weld street, Reynolds east,	13	
Totals,	95	771

Summary, Pipe Laid and Removed.

	30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Previous to 1892:									
Cement,					6,179	5,722	7,467	8,536	16,421
Cast iron,	1,879	2,373	11,267	17,595	8,124	18,179	63,982	94,900	79,955
Cast iron laid during 1892,					1,825	2,435	3,635	8,903	3,891
Total pipe laid,	1,879	2,373	11,267	17,595	16,128	26,336	75,084	112,339	100,267
Cast iron removed in 1892,							95	771	
Total pipe now in use,	1,879	2,373	11,267	17,595	16,128	26,336	74,989	111,568	100,267

Total length laid in 1892, 20,689 feet, or 3.9184 miles.

Total length removed in 1892, 866 feet, or .1640 miles.

Total length of pipe in use, December 1st, 1892, 362,402 feet, or 68.6367 miles.

TABLE D.

Small Sized Distribution Pipe laid in 1892.

STREET.	LEAD.
	1 in.
Weld street, Ashland west,	98

Taken up.

STREET.	LEAD.
	$\frac{3}{4}$ in.
Chancery street, Arnold south,	120

Laid previous to 1892, 5,944 feet.
Laid during 1892, 98 feet.
Removed during 1892, 120 feet.
Total length in use, Dec. 1, 1892, 5,922 feet, or 1.1216 miles.

TABLE E.

Location of Stop Gates set in 1892.

STREETS.	LOCATION.	SIZE.				
		12 in.	10 in.	8 in.	6 in.	4 in.
Allen street, east side of Page,	151 feet east from east line Page; 14 feet north from south line Allen,					1
Allen street, west side of Page,	On west line Page; 15.8 feet north from south line Allen,		1			
Armour street, s. side Court,	1 foot north from south line Court; 18 ft. east from west line Armour,				1	
Belleville avenue, north side Dean,	.5 foot north from north line Dean; 17.6 feet east from west line Belleville avenue,		1			
Belleville avenue, south side Dean,	On south line Dean; 17.3 feet east from west line Belleville avenue,		1			
Belleville avenue, south of River,	51.3 feet south from south line River; 18.2 feet east from west line Belleville avenue,		1			
Belleville avenue, south s. Coggeshall,	On south line Coggeshall; 18.5 feet east from west line Belleville avenue,				1	
Belleville avenue, n. side Washburn,	On north line Washburn; 18 feet east from west line Belleville avenue,				1	
Bethel street, s. side Elm,	On south line Elm; 12.6 feet east from west line Bethel,					1
Bolton road, n. side Rivet,	1 foot north from north line Rivet; 18.3 feet east from west line Bolton road,		1			
Chancery street, s. side Arnold,	On south line Arnold; 13.9 feet east from west line Chancery,					1
Chestnut street, n. side Locust,	On north line Locust; 14 feet east from west line Chestnut,				1	
Cottage street, n. side Parker,	On north line Parker; 19 feet east from west line Cottage,				1	
Cottage street, n. side Locust,	On north line Locust; 17.4 feet east from west line Cottage,					1
Cottage street, s. side Austin,	1.5 feet south from south line Austin; 19.6 feet east from west line Cottage (south),				1	
County street, s. side Clark,	1.3 feet south from south line Clark; 16.5 feet east from west line County,				1	
Cove street, east side W. French avenue,	On east line West French avenue; 18.5 feet north from south line Cove,	1				
Cove street, east side Salisbury,	On east line Salisbury; 18 feet north from south line Cove,	1				

Location of Stop Gates — *Continued.*

STREETS.	LOCATION.	SIZE.				
		12 in.	10 in.	8 in.	6 in.	4 in.
Dean street, west side Belleville avenue,	.5 foot west from west line Belleville avenue; 14 feet north from south line Dean,	1				
Front street, n. side Union,	On north line Union; 18.3 feet east from west line Front,				1	
Front street, n. side Sawyer,	On north line Sawyer; 18 feet east from west line Front,		1			
Granfield street, n. side Coggeshall,	On north line Coggeshall; 14.6 feet east from west line Granfield,					1
Hall street, n. side Rivet,	.6 foot north from north line Rivet; 13.6 feet east from west line Hall,					1
Harbor street, n. side Cove,	On north line of Cove; 18 feet east from west line Harbor,			1		
Harbor street, s. side Gifford,	.5 foot south from south line Gifford; 17.8 feet east from west line Harbor,			1		
Hemlock street, s. side Rockland,	1.1 feet south from south line Rockland; 18 feet east from west line Hemlock,				1	
Howard street, n. side Coggeshall,	1 foot north from north line Coggeshall; 13.7 feet east from west line Howard,				1	
James street, s. side Court,	On south line Court; 14 feet east from west line James,				1	
Myrtle street, n. side Linden,	On north line Linden; 13.6 feet east from west line Myrtle,				1	
Nye street, west side Belleville avenue,	1 foot west from west line Belleville avenue; 17.9 feet north from south line Nye,				1	
Nye street, e. side Acushnet avenue,	On east line Acushnet avenue; 18 feet north from south line Nye,				1	
Old Point road, e. of McGurk st.,	161 feet east from east line McGurk; 13.7 feet north from south line Old Point road,					1
Page street, south side Allen,	1.5 feet south from south line Allen; 18 feet east from west line Page,			1		
Park street, north side Arnold,	On north line Arnold; 14 feet east from west line Park,			1		
River street, west side Belleville avenue,	.8 foot west from west line Belleville avenue; 18.2 feet north from south line River,				1	
Salisbury street, south side of Cove,	On south line Cove; 18 feet east from west line Salisbury,				1	

LOCATION OF STOP GATES — *Concluded.*

STREETS.	LOCATION.	SIZE.				
		12 in.	10 in.	8 in.	6 in.	4 in.
Scott street, west side County,	On west line County; 18 feet north from south line Scott,				1	
Second street, n. side Cove,	On north line Cove; 18 feet east from west line Second,			1		
Shawmut avenue, n. side Durfee,	On north line Durfee; 15.2 feet east from west line Shawmut avenue,			1		
Short street, south side Allen,	On south line Allen; 17.7 feet east from west line Short,				1	
Viall street, south side Cove,	On south line Cove; 18 feet east from west line Viall,				1	
Weaver street, west side Dartmouth,	.9 foot west from west line of Dartmouth; 13.5 feet north from south line Weaver,					1
	Totals,	3	6	6	18	8

REMOVED.

Cove street, east side of Water,	6-inch.
Number of stop gates set in 1892,	42
Number removed in 1892,	1
	41
Number in use at date of last report,	701
Number in use, Dec. 1, 1892,	742

TABLE F.

Private Stop Gates set in 1892.

STREETS.	LOCATION.	SIZE.	
		8 in.	6 in.
Belleville avenue, at Pierce Mill,	13 feet north from north line of mill; 12.5 feet west from east line Belleville avenue,	1	
Belleville avenue, at Pierce Mill,	15 feet north from north line of mill; 12.5 feet west from east line Belleville avenue,	1	
Bolton road, at Rotch Mill,	At Rotch Mill meter,		3
Harbor street, at Hathaway Mill,	528.6 feet north from north line Cove; 11.5 feet east from west line Harbor,	1	
	Total,	3	3

Removed.

Cove street, at Viall's slaughter house,	2-inch.
Number set during 1892,	6
Number removed during 1892,	1
To be added to number previously reported,	5
Number in use at date of last report,	157
Total number in use, Dec. 1, 1892,	162

TABLE G.

Waste Gates set in 1892.

STREETS.	LOCATION.	SIZE. 4 in.
Cove street, at East French av.	12.8 feet east from west line east French avenue, 21.1 feet north from south line Cove street,	1
Harbor street, at Cove,	24 feet north from south line Cove; 20 feet east from west line Harbor,	1
	Total,	2

Number set in 1892,	2
Number in use at date of last report,	70
Total number in use, Dec. 1, 1892,	72

TABLE H.

Location of Hydrants set in 1892.

Acushnet avenue, west side, 98 feet north of Rivet.
Allen street, southwest corner Page.
Armour street, west side, 130 feet south of Court.
Ashland street, west side, 71 feet south of Clark.
Babbitt street, southeast corner Field.
Bay street, south side, 49 feet east of Columbia.
Beetle street, southwest corner Howard.
Belleville avenue, west side, 118 feet north of Washburn.
Belleville avenue, northwest corner Cedar Grove.
Belleville avenue, west side, 228 feet north of Dean.
Bolton road, west side, 246 feet north of Rivet.
Chancery street, west side, 167 feet south of Clinton.
Coffin avenue, south side, 63 feet west of Belleville avenue.
Coggeshall street, south side, 149 feet west of County.
Columbia street, west side, 110 feet south of Allen.
Cottage street, northwest corner Hillman.
Cottage street, northwest corner Sycamore.
Cottage street, northwest corner Parker.
Cottage street, west side, 92 feet south of Austin.
Cove street, southwest corner McGurk.
Cove street, southwest corner Viall.
Cove street, southwest corner Salisbury.
Cove street, southwest corner Harrison avenue.
Cove street, southwest corner Cleveland avenue.
Dartmouth street, east side, 28 feet north of Dunbar.
East French avenue, northwest corner Columbia avenue.
Field street, west side, 351 feet south of Babbitt.
Front street, west side, 191 feet north of Blackmer.
Front street, northwest corner Rodman.
Front street, southwest corner Holly.
Granfield street, west side, 263 feet north of Coggeshall.
Harbor street, east side, 195 feet north of Cove.
Harbor street, east side, 372 feet north of Cove.
Harbor street, east side, 540 feet north of Cove.
Harbor street, southeast corner Gifford.
Hemlock street, west side, 231 feet south of Rockland.
Independence street, south side, 480 feet west of County.
James street, southwest corner Court.
James street, west side, 107 feet north of Arnold.

McGurk street, west side, 348 feet north of Middle Point road.
Myrtle street, west side, 22 feet south of Weld.
Nye street, southwest corner Belleville avenue.
Nye street, southwest corner Front.
Oak street, northwest corner Grape.
Oak street, west side, 72 feet south of Allen.
Old Point road, west side, 2510 feet east of McGurk. Flush.
Reed street, west side, 145 feet north of Court.
Reed street, west side, 293 feet south of Kempton.
River street, southwest corner Belleville avenue.
River street, southeast corner Front.
Robeson street, south side, 92 feet east of Cottage.
Salisbury street, west side, 598 feet south of Cove.
Scott street, south side, 169 feet west of County.
Shawmut avenue, southwest corner Willis.
Shawmut avenue, southwest corner Parker.
Shawmut avenue, west side, 497 feet north of Durfee.
Shawmut avenue, southwest corner Grand.
Short street, west side, 128 feet south of Allen.
William street, southeast corner Acushnet avenue.
Willow street, south side, 163 feet west of Bullock.
(The entire list, except Old Point road, Post Hydrants.)

Taken Up.

Acushnet avenue, west side, 158 feet north of Rivet,	Post.
Babbitt street, south side, 539.5 feet west of Dartmouth,	"
Beetle street, south side, 95 feet east of Acushnet avenue,	"
Columbia street, west side, 68 feet north of Clay,	"
Cottage street, northwest corner Hillman,	Flush.
Cottage street, northwest corner Sycamore,	"
Cove street, south side, 487 feet east of Water,	"
Gifford street, south side, 700 feet east of Water,	Post.
Independence street, south side, 154 feet west of County,	"
James street, west side, 215.6 feet north of Arnold,	"
McGurk street, west side, 216 feet north of Middle Point road,	"
Oak street, west side, 177 feet north of Grape,	"
Reed street, west side, 208 feet south of Kempton,	"
Robeson street, south side, 382 feet west of Ashland,	"
Shawmut avenue, southwest corner Willis,	Flush.
Shawmut avenue, southwest corner Parker,	"
William street, southeast corner Acushnet avenue,	"

Total number set during 1892,	60
Total number removed during 1892,	17
To be added to number last reported,	43
Number in use at date of last report,	499
Total number in use, Dec. 1, 1892.	542

TABLE I.

Statement of Work done by the Service Department for the Year ending Dec. 1, 1892.

KIND AND SIZE.	Number of Services.	Length on Taker.	Length on City.
Lead pipe ½-inch, heavy,	145	1,701.5	3,147
" ⅝-inch, heavy,	78	1,126.5	1,622
" ⅝-inch, light,	87	813.5	1,909
" ¾-inch, heavy,	3	273	64
" ¾-inch, light,	74	861.5	1,598
" 1-inch, heavy,	2	140.5	26
" 1-inch, light,	5	466	102
Cast iron pipe, 8, 6, and 4-inch,	3		
Totals,	397	5,382.5	8,468

Two ⅝-inch iron services have been taken up and replaced with ⅝-inch light lead.

One ⅝-inch iron service has been taken up and replaced with ¾-inch light lead.

One ¾-inch iron service has been taken up and replaced with ¾-inch light lead.

One ¾-inch light lead service has been taken up and replaced with one inch light lead.

Two ⅝-inch iron, one ⅝-inch heavy lead, one ⅝-inch light lead, and one ½-inch heavy lead services have been removed.

One connection to service previously laid has been made, using 30 feet of ⅝-inch light lead pipe.

Five connections to services previously laid have been made by owners.

Length of service pipe laid during the year, 13,850.5 feet = $2\frac{6232}{10000}$ miles.

Total number of services in use, December 1, 1892, 7,134.

TABLE J.

Meters.

LOCATION.	PATTERN.	SIZE.
Acushnet Coöperative Association, 213 Acushnet avenue,	Union rotary.	1 inch.
Acushnet Mill No. 1,	Union rotary.	6 "
Acushnet Mill No. 2,	Union rotary.	4 "
Allen, John S., 100 State street,	Union rotary.	$\frac{5}{8}$ "
Allen, John S., 102 State street,	Crown.	$\frac{5}{8}$ "
Allen, Mrs. John, 343 Purchase street,	Crown.	$\frac{5}{8}$ "
Allen, Timothy C., 188 Grinnell street,	Crown.	$\frac{5}{8}$ "
Bacon, Annie E., 4 Linden street,	Crown.	$\frac{3}{4}$ "
Baker, Michael A., 82 Chestnut street,	Crown.	$\frac{3}{4}$ "
Bates, J. W., Kempton and Cottage streets,	Crown.	$\frac{3}{4}$ "
Bennett Mill,	Union rotary.	6 "
Blackler, Mrs. A. M., 111 Summer street,	Union rotary.	$\frac{3}{4}$ "
Boivin, Nazaire, 7 Hicks street,	Union rotary.	$1\frac{1}{2}$ "
Brightman, George A., 35 Smith street,	Crown.	$\frac{1}{2}$ "
Brightman, Nathan, 107 Elm street,	Crown.	$\frac{3}{4}$ "
Briggs, Daniel D., 43 Bedford street,	Crown.	$\frac{5}{8}$ "
Briggs, George E., Dartmouth street,	Union rotary.	$1\frac{1}{2}$ "
Brownell, Albion T., 46 Fifth street,	Crown.	$\frac{5}{8}$ "
Brownell, Charles H., Florence street,	Crown.	$\frac{5}{8}$ "
Buffington, Arthur E., 27 Crapo street,	Crown.	$\frac{1}{2}$ "
Butler, William P., 797 South Water street,	Hersey.	$\frac{5}{8}$ "
Caldwell, S. C., 365 Pleasant street,	Union rotary.	$\frac{5}{8}$ "
Caldwell, S. C., 367 Pleasant street,	Crown.	$\frac{5}{8}$ "
Central Union Association, 5 North Sixth street,	Thomson.	$1\frac{1}{2}$ "
Central wharf,	Crown.	2 "
Cemetery, Rural, Dartmouth street,	Crown.	2 "
Cemetery, Oak Grove, Parker street,	Crown.	3 "
Chadwick, Edward E., William street,	Crown.	3 "
Chappell, William H., 21 Willis street,	Hersey.	$\frac{5}{8}$ "
Childs, A. F., 6 Wing street,	Hersey.	$\frac{5}{8}$ "
City Manufacturing Co., Grinnell street,	Union rotary.	6 "
Commercial wharf,	Union rotary.	3 "
Davis, Abner T., estate, 34 Fifth street,	Union rotary.	$\frac{5}{8}$ "
Dawson, Benjamin, Purchase and Hazard streets,	Crown.	$1\frac{1}{2}$ "
Dawson, Benjamin, Hazard street,	Hersey.	1 "
Dowden, James, 35 Mill street,	Union rotary.	$\frac{3}{4}$ "
Duff, David & Son, Central wharf,	Crown.	1 "
Duff, David & Son, Fish Island,	Union rotary.	$1\frac{1}{2}$ "
Eldridge, Washington A., 56 Mill street,	Crown.	$\frac{5}{8}$ "
Electric Light Co., Middle street,	Union rotary.	2 "
Elliot, John D., 106 Fourth street,	Hersey.	$\frac{5}{8}$ "
Fish, L. C., 59 Sycamore street,	Crown.	$\frac{3}{4}$ "

METERS—*Continued.*

LOCATION.	PATTERN.	SIZE.
Folger, David B., 140 Union street,	Thomson.	1 inch.
Folsom, Simeon, Middle and Purchase streets,	Union rotary.	1 "
Francis, Joseph F., County street,	Crown.	⅝ "
Garfield & Proctor Coal Company, foot Hillman street,	Hersey.	1 "
Gifford, T. J., Ashland and Austin streets,	Crown.	⅝ "
Gifford, T. J., 34 Hillman street,	Crown.	¾ "
Gifford, T. J., 32 Hillman street,	Crown.	⅝ "
Gifford & Baker, Centre street,	Hersey.	2 "
Grinnell Mill, Kilburn street,	Union rotary.	4 "
Hall, S. M., estate, 327 Pleasant street,	Crown.	¾ "
Hammond, Henry F., 79 Mill street,	Crown.	¾ "
Haskell, Edward S., South Sixth street,	Hersey.	¾ "
Haskell & Tripp, William street,	Union rotary.	2 "
Hastings, George, Hastings Building, Purchase street,	Crown.	1 "
Hathaway Mill,	Union rotary.	4 "
Hathaway, James C., Florence and Kempton streets,	Crown.	¾ "
Hayes, N. P., William street,	Crown.	1 "
Hazard's wharf,	Union rotary.	2 "
Howland, George, wharf,	Ball & Fitts.	2 "
Howland, Paul, estate, 91 State street,	Union rotary.	¾ "
Howland Mill No. 1,	Union rotary.	6 "
Howland Mill No. 2,	Union rotary.	6 "
Jay, James A., Second street,	Hersey.	1 "
Kane, D. J. & Bro., 134 Union street,	Crown.	⅝ "
Keene, Leonard, Jr., Parker and Chestnut streets,	Crown.	¾ "
Kirby, Tillinghast, 350 Cottage street,	Crown.	¾ "
Knowles, John P., Jr., 485 County street,	Crown.	¾ "
Lawrence, John H., 66 Parker street,	Hersey.	⅝ "
Lawton, James M., Jr., 80 State street,	Crown.	¾ "
Lawton, James M., Jr., 202 Union street,	Hersey.	¾ "
Lewis, E. R., 321 Union street,	Crown.	1 "
Longfield, Joseph S., 52 Shawmut avenue,	Crown.	⅝ "
Lowe, James H., 931 Acushnet avenue,	Crown.	⅝ "
Lowell, Clarence, 40 Fifth street,	Crown.	⅝ "
Macaulay, Walter S., 132 Division street,	Crown.	⅝ "
Macomber, William B., 74 State,	Hersey.	⅝ "
Macy, J. Roland, 186 Union street,	Crown.	1 "
Marquand, James, 35 Maxfield street,	Crown.	⅝ "
Merrill's wharf,	Union rotary.	2 "
Monte Pio Coöperative Association, Acushnet avenue and Howland street,	Thomson.	1 "
Mosher, C. E. E. and H. C. W., 92 High street,	Crown.	¾ "
Moynan & Co., Union street,	Union rotary.	3 "
Mt. Washington Glass Works, Prospect street,	Union rotary.	2 "

METERS—*Continued.*

LOCATION.	PATTERN.	SIZE.
Murkland, James H., 35 Fifth street,	Hersey.	⅝ inch.
Murkland, James H., 55 Walnut street,	Hersey.	⅝ "
Myrick, A. G., 101 Middle street,	Hersey.	⅝ "
Nash, Thomas N., Acushnet avenue and Nash road,	Crown.	½ "
New Bedford and Marthas Vineyard Steamboat Company's wharf,	Crown.	3 "
New Bedford Gas Light Co., Coffin street,	Union rotary.	3 "
New Bedford Gas Light Co., So. Water street,	Hersey.	1 "
New Bedford Gas Light Co., So. Water street,	Hersey.	2 "
New Bedford Manufacturing Co.,	Union rotary.	6 "
New Bedford Manufacturing Co., North street,	Union rotary.	6 "
New Bedford Yacht Club, Popes Island,	Ball & Fitts.	1 "
Nichols, Leander P., 49 North street,	Union rotary.	¾ "
Nye, William F., Fish Island,	Crown.	1½ "
O'Brien, Michael, 97 Grinnell street,	Crown.	½ "
O'Brien, Michael, 134 Acushnet avenue,	Crown.	½ "
Old Colony Railroad Company, Logan street,	Crown.	3 "
Oneko Mills, Purchase street,	Union rotary.	6 "
Pairpoint Manufacturing Co., Prospect street,	Union rotary.	3 "
Pairpoint Manufacturing Co., Hastings wharf,	Hersey.	2 "
Parker, George H., Parker and Chestnut streets,	Thomson.	¾ "
Perry, E. S., Maxfield and Summer streets,	Crown.	¾ "
Perry, J. W., 62 Thomas street,	Crown.	¾ "
Perry, Henry C., 671 County street,	Crown.	¾ "
Pelan, Thomas, 278 Kempton street,	Crown.	¾ "
P. & R. Coal & Iron Co.'s wharf,	Crown.	3 "
Pickens, George, 149 Summer street,	Union rotary.	¾ "
Pierce, Frank E., 87 Mill street,	Crown.	¾ "
Pierce Mill, Belleville avenue,	Hersey.	4 "
Popes Island Manufacturing Co., Popes Island,	Crown.	1 "
Potter, William F. & Co., Front street,	Crown.	1 "
Potomska Mills, Potomska street,	Union rotary.	6 "
Price, Alexander, 110 County street,	Crown.	⅝ "
Priestly, George, 28 Parker street,	Union rotary.	¾ "
Quimby, Ezra, 135 Summer street,	Crown.	¾ "
Robeson Building, William street,	Crown.	½ "
Rotch Spinning Corporation, Bolton road,	Hersey.	6 "
Rotch's wharf,	Union rotary.	2 "
Shaw, Dr. J. C., 23 South Sixth street,	Crown.	1 "
Sherman, I. C. & Son, 76 Union street,	Union rotary.	2 "
Sisson, Jasper L., 30 Allen street,	Thomson.	¾ "
Sisson, Joseph S., Allen and Cottage streets,	Thomson.	1 "
Smalley, Orrick, Jr., 69 South Sixth street,	Crown.	⅝ "
Smith, Ellen M., 73 Bedford street,	Crown.	⅝ "
Spencer, Hartley, 18 Parker street,	Crown.	⅝ "
Stanton, A. G., 198 Grinnell street,	Crown.	¾ "
Sturtevant, Levi H., 36 North street,	Crown.	¾ "

METERS—*Concluded.*

LOCATION.	PATTERN.	SIZE.
Swan, Edward, 20 South Front street,	Union rotary.	2 inch.
Taber's wharf,	Crown.	2 "
Thornton, Alfred, 256 Union street,	Crown.	¾ "
Tillinghast, Theodore F., Hicks street,	Crown.	¾ "
Vaughan, W. C., Jr., 323 Purchase street,	Crown.	¾ "
Walker, William, County and Campbell streets,	Crown.	¾ "
Wamsutta Mills, Nos. 1, 2, and 3,	Union rotary.	6 "
Wamsutta Mills, Nos. 4 and 5,	Union rotary.	8 "
Wamsutta Mill No. 6,	Union rotary.	6 "
Webster, Dr. Helen M., Purchase and Mill streets,	Hersey.	1 "
Whittaker, Edwin, 140 State street,	Hersey.	¾ "
Wilde, William T., 50 Katharine street,	Hersey.	¾ "
Wood, Richmond B., 59 Foster street,	Union rotary.	¾ "

Numbers of meters in use, December 1, 1892, 144.

TABLE K.

Motors.

LOCATION.	Used For.	Size of Supply Pipe.
Acushnet Coöperative Association, 213 Acushnet avenue,	Grinding coffee.	1 inch.
Baptist Church, William street,	Blowing organ.	2½ "
Boivin, Nazaire, 7 Hicks street,	Circular saw.	2 "
Briggs, George E., Dartmouth street,	Lathe.	2 "
Central Union Store, 5 North Sixth street,	Grinding coffee.	1¼ "
Chadwick, Edward E., William street,	Sausage cutting.	2 "
Cummings, C. S. & B., 102 William street,	Grinding coffee.	2 "
Dawson, Ben., Purchase and Hazard streets,	Elevator.	1½ "
Driscol, Church & Hall, Union and First streets,	Elevator.	3 "
Folger, David B., 140 Union street,	Grinding coffee.	1 "
Gifford & Baker, Centre street,	Wood working machinery.	2 "
Haskell & Tripp, William street,	Elevator.	3 "
Hayes, N. P., William street,	Elevator.	1 "
Jay, James A., 13 South Second street,	Clipping machine.	1 "
Kane, D. J. & Bro., Union street,	Book bindery.	2 "
Macy, J. Roland, 186 Union street,	Grinding coffee.	1 "
Monte Pio Coöperative Association, Acushnet avenue and Howland street,	Grinding coffee.	2 "
Moynan & Co., Union street,	Elevator.	3 "
Nesbett, F. B., 160 Purchase street,	Dentist.	⅝ "
N. B. Gas Light Co., South Water street,	Elevator.	2 "
North Congregational Church, Purchase and Elm streets,	Blowing organ.	3 "
Potter, W. F., & Co., Front and Union streets,	Grinding coffee.	1 "
Sherman, I. C. & Son, 76 Union street,	Elevator.	3 "
St. John Baptist Church, Fifth street,	Blowing organ.	2 "
St. Lawrence Church, County and Hillman streets,	Blowing organ.	3 "
Sisson, Jasper L., 30 Allen street,	Grinding coffee.	2 "
Sisson, Joseph S., Allen and Cottage streets,	Grinding coffee.	2 "
Swan, Edward, Front street,	Wood turning.	3 "
Trinitarian Church, Fourth and School streets,	Blowing organ.	3 "
Unitarian Church, Union and Eighth streets,	Blowing organ.	3 "
Ward, Dr. E. F., Union and Sixth streets,	Sewing machine.	⅝ "

Total number of motors in use, December 1, 1892, 31.

TABLE L.

Watering Cart Hydrants.

Acushnet avenue, west side, 4.5 feet north from north line South Belleville road.
Acushnet avenue, west side, 13.5 feet north from north line North Belleville road.
Acushnet avenue, west side, 11.9 feet south from south line Tarkiln Hill road.
Allen street, north side, 154 feet east of Page.
Bedford street, south side, 86 feet west of Fourth.
Campbell street, south side, 87 feet west of Purchase.
Cedar Grove street, south side, 18 feet west of Acushnet avenue.
Coffin avenue, south side, 16.5 feet west of Acushnet avenue.
Commercial street, south side, 20.2 feet east of Water.
County street, west side, 32.2 feet north of Allen.
Court street, north side, 15 feet east of Ash.
Dartmouth street, east side, 13 feet south of Oak.
Elm street, south side, 57.4 feet west of Purchase.
First street, west side, 118 feet south of School.
First street, west side, 28 feet south of Grinnell.
Grinnell street, south side, 31 feet east of County.
Hawthorn street, south side, 17 feet east of Cottage.
Hawthorn street, head of Tremont.
Hazard street, south side, 21 feet west of Purchase.
Kempton street, south side, 72 feet west of County.
Kempton street, south side, 102 feet east of Newton.
Kempton street, south side, 16 feet east of Rockdale avenue.
Linden street, south side, 30 feet west of Purchase.
Locust street, south side, 25 feet west of County.
Madison street, south side, 17 feet east of Fourth.
Madison street, south side, 39 feet west of County.
Mill street, south side, 9 feet west of Purchase.
Middle Point road, south side, 58 feet east of French avenue.
Mt. Vernon street, south side, 14 feet west of Mt. Pleasant.
Reynolds street, west side, 8 feet north of Linden.
Robeson street, south side, 38 feet west of Cedar.
Smith street, south side, 53 feet east of Park.
Spring street, south side, 49 feet west of Sixth.
Summer street, west side, 4 feet north of Hillman.
Sycamore street, south side, 77 feet west of County.
Thompson street, south side, 72 feet west of Warwick.
Union street, south side, 65 feet west of County.

Water street, west side, 6 feet south of Blackmer.
William street, south side, 27 feet east of Second.
Willis street, south side, 7½ feet east of Acushnet avenue.

Number now in use, 40.

TABLE M.

Location of Hydrants.

	Pressure in lbs.
Acushnet avenue, west side, 267 feet north of Tarklin Hill road. Post.	53
Acushnet avenue, southwest corner of Tarkiln Hill road. Post.	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet. Post.	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet. Post.	53
Acushnet avenue, west side, north of North Belleville road 600 feet. Post.	53
Acushnet avenue, west side, north of North Belleville road 6 feet. Post.	54
Acushnet avenue, west side, south of North Belleville road 601 feet. Post.	55
Acushnet avenue, west side, north of Shaw 610 feet. Post.	51
Acushnet avenue, northwest corner of Shaw. Post.	47
Acushnet avenue, west side, north of South Belleville road 603½ feet. Post.	45
Acushnet avenue, west side, head of South Belleville road. Post.	42
Acushnet avenue, northwest corner of Nash road. Post.	40
Acushnet avenue, northwest corner of Hathaway avenue. Post.	40
Acushnet avenue, northwest corner of Davis. Post.	41
Acushnet avenue, southwest corner of Phillips avenue. Post.	39
Acushnet avenue, southwest corner of Deane. Post.	48
Acushnet avenue, west side, north of Sawyer 574½ feet. Post.	53
Acushnet avenue, southwest corner of Coggeshall. Post.	56
Acushnet avenue, southwest corner of Cedar Grove. Post.	54
Acushnet avenue, west side, south of Logan 335 feet. Post.	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double.	62
Acushnet avenue, west side, north of Wamsutta 372 feet. Post.	60
Acushnet avenue, west side, south of Wamsutta 255 feet.	63
Acushnet avenue, west side, at end of Wall street. Post.	62
Acushnet avenue, southeast corner of Pope.	64
Acushnet avenue, northwest corner of Willis.	61

Acushnet avenue, west side, south of Campbell 179 feet. 59
Acushnet avenue, northwest corner of Maxfield. 57
Acushnet avenue, northwest corner of Kempton. 47
Acushnet avenue, northeast corner of Elm. 47
Acushnet avenue, northwest corner of School. Post. 51
Acushnet avenue, northwest corner of Madison. Post. 57
Acushnet avenue, northwest corner of Russell. Post. 58
Acushnet avenue, northwest corner of Bedford. Post. 60
Acushnet avenue, west side, opposite Howland. 61
Acushnet avenue, northwest corner of Potomska. Post. 50
Acushnet avenue, west side, north of Rivet 98 feet. Post. 59
Acushnet avenue, southwest corner of Blackmer. 60
Allen street, southeast corner of Bonney. 46
Allen street, northwest corner of Ward. 41
Allen street, north side, east of Page 159 feet. 38
Allen street, southwest corner of Page. Post.
Arch street, southwest corner of Union. 24
Armour street, west side, 130 feet south of Court. Post.
Arnold street, south side, west of Orchard 96 feet. Post. 22
Arnold street, southwest corner of Chancery. 33
Arnold street, southeast corner of Atlantic. 32
Arnold street, south side, 15.3 feet west of James. Post. 24
Ash street, northwest corner of Middle. 27
Ash street, southwest corner of Morgan. Double. 25
Ash street, northwest corner of Arnold. 32
Ash street, northwest corner of Maple. 34
Ash street, northwest corner of Bedford. Post. 37
Ashland street, west side, head of Linden. 11
Ashland street, west side, 71 feet south of Clark. Post.
Atlantic street, west side, 186 feet south of Arnold. Post. 29
Atlantic street, west side, 390 feet north of Arnold. Post. 30
Austin street, southeast corner of State. Post. 42
Austin street, southwest corner of Purchase. Post. 56
Austin street, southeast corner of Cedar. Post. 19
Austin street, south side, on west line of Wilson. Post. 20
Austin street, southwest corner of Ashland. Post. 15
Austin street, southeast corner of Shawmut avenue. Post. 14

Babbitt street, south side, 207.5 feet west of Dartmouth. Post. . . 42
Babbitt street, southeast corner of Field. Post.
Bay street, south side, 49 feet east of Columbia. Post.
Bedford street, southwest corner of Fifth. Post. 55
Bedford street, southeast corner of County. 47
Bedford street, southeast corner of Orchard. 37
Beech street, northwest corner of Kempton. Post. 18
Beetle street, southwest corner of Howard. Post.
Belleville avenue, west side, 118 feet north of Washburn. Post.
Belleville avenue, northwest corner Cedar Grove. Post.
Belleville avenue, west side, 228 feet north of Dean. Post.
Belleville avenue, southwest corner of Washburn. Post. 61
Belleville avenue, west side, 134 feet north of Coggeshall. Post. . . 62
Belleville avenue, northwest corner of Beetle. Post. 60
Blackmer street, south side, east of Front 575 feet. Post. 63
Bolton road, west side, 246 feet north of Rivet. Post.
Bolton road, west side, south of Rivet 1027 feet. Post. 59
Bolton road, northwest corner Poplar road. Post. 59
Bonney street, northwest corner of Grinnell. 51
Bonney street, northwest corner of Rockland. Post. 54
Bonney street, west side, 259 feet north of Rivet. Post. 61
Borden street, southwest corner of Bay. Post. 42
Bowditch street, southwest corner of Weld. Post. 56
Bowditch street, west side, 313 feet south of Cedar Grove. Post. . . 55
Bowditch street, west side, north of Cedar Grove 244 feet. Post. . . 55
Bridge avenue, north side, 44 feet west of draw. 62
Bridge avenue, south side, 11 feet west of draw. 62
Brownell street, west side, 294 feet south of Union. Post. 22
Bullock street, southwest corner of Trinity. Post. 14
Campbell street, south side, east of County 163 feet. 28
Campbell street, south side, 216.5 feet west of County. Post. . . . 25
Campbell street, southwest corner of Cottage. Post. 19
Campbell street, south side, east of Emerson 205 feet. 18
Cannon street, south side, east of Second 164 feet. Post 63
Cedar street, northwest corner of Elm. Double. 25
Cedar street, southwest corner of Kempton. 26
Cedar street, west side, north of Mill 75 feet. 23

Cedar street, southwest corner of Hillman. 23
Cedar street, northwest corner of Sycamore. 21
Cedar street, southwest corner of Campbell. 18
Cedar street, southwest corner of Parker. 19
Cedar Grove street, southeast corner of Front. Post. 60
Cedar Grove street, southeast corner of Howard. Post. 58
Cedar Grove street, south side, 383 feet west of Bowditch. Post. . . 57
Cedar Grove street, northwest corner of Purchase. Post. 56
Cedar Grove street, southwest corner of County. Post. 43
Cedar Grove street, south side, 183.5 feet west of County. Post. . . 40
Centre street, south side, east of Water 85 feet. 56
Chancery street, west side, 167 feet south of Clinton. Post.
Chancery street, west side, north of Arnold 406 feet. Post. 33
Chancery street, southwest corner of Elm. Post. 28
Chancery street, west side, south of Parker 176 feet. Post. 24
Chancery street, west side, 263 feet north of Parker. Post. 16
Cherry street, southeast corner of Seventh. 38
Chestnut street, southwest corner of North. 19
Chestnut street, west side, north of Campbell 96 feet. 22
Clark street, southwest corner of State. 47
Clark street, south side, 170 feet west of County. Post. 40
Clinton street, south side, east of Orchard 125 feet. 26
Clinton street, south side, west of Ash 242.5 feet. Post. 44
Coffin avenue, southwest corner North Purchase. Post. 40
Coffin avenue, south side, opposite Oneko lane. Post. 40
Coffin avenue, southeast corner of Bowditch. Post. 40
Coffin avenue, southeast corner of Front. Post. 50
Coffin avenue, south side, 63 feet west of Belleville avenue. Post.
Coffin street, north side, 262 feet east of Water. Post. 62
Coggeshall street, south side, 227.4 feet east of Mitchell. Post. . . . 64
Coggeshall street, southeast corner of Belleville avenue. Post. . . . 62
Coggeshall street, southwest corner of Front. Post. 61
Coggeshall street, southwest corner of Purchase. Post. 53
Coggeshall street, southeast corner of County. Post. 43
Coggeshall street, south side, 149 feet west of County. Post.
Collins street, south side, 72.4 feet west of Glover. Post. 12
Columbia street, west side, 110 feet south of Allen. Post.

Commercial street, north side, east of Front 82 feet. Post. 62
Cottage road, south side, 435 feet west of Bolton road. Post. 55
Cottage street, southwest corner of Bay. Post. 43
Cottage street, northwest corner of Allen. 42
Cottage street, northwest corner of Bedford. 37
Cottage street, northwest corner of Hawthorn. 31
Cottage street, southwest corner of Arnold. 23
Cottage street, southwest corner of Union. 22
Cottage street, southwest corner of Kempton. Post. 22
Cottage street, northwest corner of Hillman. Post. 20
Cottage street, northwest corner of Sycamore. Post. 20
Cottage street, northwest corner of Parker. Post.
Cottage street, west side, 237 feet north of Locust. Post. 20
Cottage street, west side, 92 feet south of Austin. Post.
County street, west side, 200 feet north of Coggeshall. Post. . . . 44
County street, southeast corner of Penniman. Post. 44
County street, west side, 234½ feet south of Clark. Post. 43
County street, west side, 115 feet south of Weld. Post. 42
County street, southwest corner of Austin. Post. 33
County street, northwest corner of Locust. Post. 24
County street, northwest corner of Parker. 23
County street, southwest corner of Smith. Post. 30
County street, southwest corner of Maxfield. 25
County street, southwest corner of North. 21
County street, southwest corner of Middle. Double. 22
County street, southwest corner of Morgan. Post. 22
County street, northwest corner of Union. 24
County street, west side, head of School. 27
County street, northwest corner of Madison. 32
County street, southwest corner of Hawthorn. 36
County street, northwest corner of Allen. 49
County street, southwest corner of Grinnell. Post. 61
County street, northwest corner of South. Post. 62
County street, northwest corner of Winsor. Post. 57
County street, west side, 71 feet north of Division. Post. 54
County street, northwest corner of Cove road. Post. 62
Court street, southwest corner of Orchard. 22

Court street, south side, opposite Cedar. 23
Court street, northeast corner of Ash. Post. 20
Court street, south side, opposite Emerson. 26
Court street, south side, west from Park 304 feet. 32
Court street, south side, head of Jenney. Post. 23
Court street, south side, east of Reed 300 feet. Post. 22
Cove street, southwest corner of Cleveland avenue. Post.
Cove street, southwest corner of Harrison avenue. Post.
Cove street, southwest corner of Salisbury. Post.
Cove street, southwest corner of Viall. Post.
Cove street, southwest corner of McGurk. Post.
Cove street, south side, west of Water 334½ feet. Post. 60
Cove street, southeast corner of County. Post. 72
Crapo street, west side, south of Washington 343 feet. 60
Crapo street, west side, south of Rockland 225 feet. 63
Crapo street, west side, 160 feet south of Thompson. Post. 58
Dartmouth street, east side, southwest of Orchard 110 feet. 47
Dartmouth street, east side, 125 feet south of Hickory. Post. . . . 47
Dartmouth street, east side, 260 feet south of Rockland. Post. . . . 45
Dartmouth street, east side, 99 feet south of Thompson. Post. . . . 44
Dartmouth street, southeast corner of Larch. Post. 42
Dartmouth street, east side, 28 feet north of Dunbar. Post.
Dean street, southwest corner of Belleville avenue. Post. 62
Dean street, southeast corner of Front. Post. 50
Delano street, southwest corner of Water. Post. 57
Delano street, southeast corner of Acushnet avenue. Post. 57
Division street, southeast corner of Second. Post. 61
Division street, south side, 527 feet west of County. Post. 62
Division street, south side, east of Crapo 6 feet. Post. 58
Durfee street, southwest corner of Cedar. Post. 15
Durfee street, southwest corner of Bullock. Post. 17
Durfee street, southwest corner of Shawmut avenue. Post. 12
East French avenue, northwest corner of Columbia avenue. Post.
Elm street, southwest corner of Pleasant. 38
Elm street, southwest corner of Summer. 18
Elm street, south side, 43.5 feet west of Florence. Post. 26
Elm street, southeast corner of Palmer. Post. 14

Emerson street, west side, 173.8 feet north of Arnold. Post. 29
Field street, west side, 351 feet south of Babbitt. Post.
Fifth street, southwest corner of School. Post. 45
Fifth street, west side, south of Madison 245 feet. 50
Fifth street, northwest corner of Wing. Post. 59
Fifth street, northwest corner of Grinnell. 61
First street, southwest corner of Spring. 58
First street, west side, south of School 109 feet. 57
First street, west side, south of Howland 185 feet. 65
First street, west side, south of South 255 feet. 63
Florence street, west side, north of North 180 feet. Post. 26
Florence street, northwest corner of Mill. Post. 24
Florence street, west side, 199.6 feet south of Kempton. Post. . . . 27
Florence street, southwest corner of Morgan. Post. 29
Forest street, south side, west of County 90 feet. 53
Foster street, southwest corner of Maxfield. 37
Foster street, northwest corner of High. 33
Fourth street, west side, north of School 106 feet. 46
Fourth street, west side, south of Madison 210 feet. 54
Fourth street, east side, opposite Washington. Post. 57
Fourth street, northwest corner of Rockland. 62
Fourth street, west side, south of Potomska 61 feet. Post. 58
Franklin street, southwest corner of Pleasant. 43
Franklin street, southwest corner of State. Post. 38
French avenue, west side, south of Cove road 14 feet. 60
Front street, southwest corner of Holly. Post.
Front street, west side, south of Washburn 319 feet. 62
Front street, west side, south of Logan 383 feet. Post. 63
Front street, southeast corner of Wamsutta. Post. 65
Front street, southwest corner of Hazards lane. 61
Front street, northwest corner of Rodman. Post.
Front street, southwest corner of Centre. 61
Front street, west side, south of Commercial 86 feet. 63
Front street, northwest corner of lane head of Merrill's wharf. . . . 65
Front street, west side, south of Howland 268 feet. Post. 61
Front street, southwest corner of Grinnell. Post. 62
Front street, west side, south of South 330 feet. Post. 62

Front street, west side, 191 feet north of Blackmer. Post.
Front street, west side, north of Delano 191 feet. Post. 62
Fruit street, south side, east of Hemlock 126.5 feet. Post. 53
Fruit street, south side, 25.5 feet west of Mulberry. Post. 46
Gifford street, south side, 274 feet east of Water. Post. 65
Granfield street, west side, 263 feet north of Coggeshall. Post.
Grape street, south side, west of Lewis 131 feet. Post. 36
Grape street, south side, west of Lewis 517½ feet. Post. 34
Griffin street, southwest corner of Second. 62
Grinnell street, south side, west of Acushnet avenue 76 feet. 60
Grinnell street, south side, east of Crapo 103 feet. 58
Grinnell street, southwest corner of Orchard. Post. 50
Grove street, southwest corner of Anthony. 32
Harbor street, east side, 195 feet north of Cove. Post.
Harbor street, east side, 372 feet north of Cove. Post.
Harbor street, east side, 540 feet north of Cove. Post.
Harbor street, southeast corner of Gifford. Post.
Harmony street, southwest corner of Social. Post. 59
Harrison street, southwest corner of Hickory. Post. 48
Hawthorn street, southeast corner of Page. 28
Hawthorn street, south side, east of Tremont 147 feet. Post. . . . 28
Hawthorn street, southwest corner of Brigham. Post. 26
Hawthorn street, south side, 301 feet west of Brigham. Post. . . . 24
Hazard street, south side, west of State 140 feet. 36
Hazard street, southwest corner of Pleasant. 46
Hemlock street, west side, 231 feet south of Rockland. Post.
Hicks street, south side, east of Acushnet avenue 276 feet. Post. . . 56
High street, south side, east of Acushnet avenue 43 feet. 48
High street, south side, east of County 177 feet. 23
Hillman street, southwest corner of Second. 57
Hillman street, southeast corner of Hill. 32
Hillman street, southwest corner of Chancery. Post 29
Howland street, northeast corner of Second. 63
Howland street, south side, 19.2 feet west of Prospect. Post. . . . 60
Independence street, south side, 480 feet west of County. Post. . . 57
Irving court, north end of court. 25
James street, west side, 107 feet north of Arnold. Post. 24

James street, southwest corner of Court. Post.
Katharine street, south side, 66.7 feet east of Crapo. Post. 62
Kempton street, southwest corner of Pleasant. Post. 36
Kempton street, south side, opposite Hill. 28
Kempton street, southwest corner of Summer. 19
Kempton street, southwest corner of Emerson. 26
Kempton street, southwest corner of Park. 28
Kempton street, southwest corner of Liberty. 29
Kempton street, southeast corner of Jenney. 26
Kempton street, south side, west of Hunter 50 feet. Post. 21
Kempton street, southwest corner of Francis. Post. 14
Kilburn street, north side, east of Front 244 feet. Post. 62
Kilburn street, north side, east of Front 581 feet. Post. 64
Larch street, south side, 120 feet east of Mulberry. Post. 45
Larch street, south side, 129 feet east of Hemlock. Post. 51
Liberty street, west side, south of Kempton 339 feet. 30
Lincoln street, west side, south of Union 171 feet. 23
Linden street, south side, west of State 13½ feet. Post. 43
Linden street, south side, west of County 169 feet. Post. 34
Linden street, south side, 67½ feet west of Reynolds. Post. 24
Linden street, south side, 6½ feet east of Ashland. Post. 14
Lindsey street, west side, 173 feet south of Kempton. Post. 27
Lindsey street, northwest corner of Morgan. Post. 24
Locust street, southwest corner of Chestnut. Post. 23
Locust street, southeast corner of Richmond. Post. 15
Logan street, southwest corner of North Front. 65
Logan street, south side, east of Acushnet avenue 400 feet. 62
Logan street, southwest corner of Acushnet avenue. 63
Lombard street, west side, 209½ feet south of Rockland. Post. . . . 50
Madison street, southwest corner of First. 61
Madison street, southwest corner of Sixth. Post. 41
Maitland street, south side, west of Cedar 305 feet. Post. 14
Maxfield street, southwest corner of Second. Post. 58
Maxfield street, southwest corner of Pleasant. Post. 38
Maxfield street, southeast corner of Chestnut. 19
Maxfield street, southeast corner of Spruce. 21
Maxfield street, southwest corner of Ash. Post. 22

McGurk street, west side, 348 feet north of Middle Point road. Post. 55
Mechanics lane, north side, east of Eighth 206 feet. 30
Merrimac street, southwest corner of State. Post. 41
Middle street, southeast corner of Second. 54
Middle street, southeast corner of Sixth. Double. 36
Middle street, south side, east of Cedar 371 feet. 32
Middle street, southeast corner of Chancery. 29
Mill street, south side, west of Hill 191 feet. 25
Mill street, south side, west of Ash 45 feet. 25
Mill street, south side, 138 feet west of Hunter. Post. 18
Mill street, south side, 97.9 feet west of Beech. Post. 14
Mitchell street, west side, 178.8 feet north of Coggeshall. Post. . . 63
Morgan street, southwest corner of Cottage. 33
Mosher street, south side, west of County 517 feet. Post. 59
Mt. Pleasant street, southeast corner of distributing reservoir. 4
Mt. Pleasant street, west side, north of Durfee 572 feet. 8
Mt. Pleasant street, northwest corner of Durfee. Post. 12
Mt. Vernon street, south side, 359 feet west of Mt. Pleasant. 6
Myrtle street, west side, 22 feet south of Weld. Post.
Myrtle street, west side, 294.5 feet north of Weld. Post. 20
Nelson street, south side, 541.6 feet west of County. Post. 60
Newton street, northwest corner of Elm. Post. 29
North street, southeast corner of Second. Post. 54
North street, southeast corner of Acushnet avenue. 50
North street, northwest corner of Pleasant. Post. 35
North street, southwest corner of Foster. 35
North street, southwest corner of Park. Post. 29
North street, southeast corner of Newton. Post. 32
North street, southwest corner of Hunter. Post. 22
Nye street, southwest corner of Belleville avenue. Post.
Nye street, southwest corner of Front. Post.
Oak street, southwest corner of Harrison. Post. 45
Oak street, northwest corner of Grape. Post.
Oak street, west side, 72 feet south of Allen. Post.
Ocean street, west side, 184½ feet south of Arnold. Post. 32
Old Point Road, west side, east of French avenue 650 feet. 53

Old Point road, west side, 2510 feet east of McGurk.
Orchard street, west side, head of Madison. 27
Page street, west side, 429½ feet south of Hawthorn. Post. 36
Palmer street, west side, 113 feet south of Court. Post. 19
Park place, south side, west of Sixth 306 feet. 32
Park street, west side, 27.1 feet south of Maxfield. Post. 24
Park street, southwest corner of Hillman. Post. 25
Park street, west side, south of Kempton 339 feet. Post. 27
Park street, northwest corner of Court. Post. 28
Park street, west side, north of Arnold 263 feet. Post. 34
Parker street, south side, at Oak Grove Cemetery. Post. 25
Parker street, southwest corner of Summer. 27
Pearl street, southwest corner of Pleasant. Post. 41
Pine street, northwest corner of Cross. 65
Pleasant street, southwest corner of Market. 37
Pleasant street, west side, north of William 21½ feet. Post. 40
Pleasant street, east side, foot of Sycamore. Post. 39
Pleasant street, northwest corner of Pope. 42
Pleasant street, northwest corner of Austin. 47
Pleasant street, southwest corner of Linden. 48
Pleasant street, southwest corner of Weld. Post. 48
Pope street, south side, opposite North Oak. 32
Pope street, south side, 226 feet east of Chestnut. Post. 21
Poplar road, south side, 431 feet west of Bolton road. Post. 52
Potomska street, A group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street. 64
Prospect street, west side, 275.2 feet north of Grinnell. Post. . . . 61
Prospect street, northwest corner of Grinnell. Post. 63
Prospect street, west side, north of Potomska 324½ feet. Post. . . . 62
Prospect street, northwest corner of Potomska. Post. 63
Purchase street, northwest corner of Deane. Post. 43
Purchase street, west side, opposite Oneko Mill. Post. 48
Purchase street, east side, opposite Clark. Post. 58
Purchase street, west side, opposite Logan. 58
Purchase street, northwest corner of Merrimac. Double. 51
Purchase street, northwest corner of Pope. 52

Purchase street, southwest corner of Pearl. Double. 52
Purchase street, southwest corner of Campbell. 47
Purchase street, west side, north of Maxfield 343 feet. Double. . . . 46
Purchase street, southwest corner of Hillman. Double. 43
Purchase street, southwest corner of Mill. 42
Purchase street, northwest corner of Middle. 40
Purchase street, west side, at Central engine house. Post. 40
Purchase street, northwest corner of Union. 43
Reed street, west side, 145 feet north of Court. Post.
Reed street, west side, 25 feet north of Elm. Post. 15
Reed street, west side, 293 feet south of Kempton. Post. 18
Reynolds street, southwest corner of Weld. Post. 26
Reynolds street, west side, 17.9 feet south of Clark. Post. 29
River street, southwest corner of Belleville avenue. Post.
River street, southeast corner of Front. Post.
Rivet street, southwest corner of Second. 62
Rivet street, southwest corner of County. Post. 59
Rivet street, southwest corner of Bonney. Post. 59
Rivet street, southwest corner of Hemlock. Post. 51
Rivet street, southeast corner of Bolton Road. Post. 56
Robeson street, southwest corner of County. Post. 26
Robeson street, southwest corner of Ashland. Post. 15
Robeson street, south side, 92 feet east of Cottage. Post.
Robeson street, southeast corner of Cedar. Post. 21
Robeson street, south side, 351 feet west of Cedar. Post. 17
Rockdale avenue, southwest corner of Bolton road. Post. 57
Rockdale avenue, south side, 327 feet west of Bolton road. Post. . . 54
Rockland street, southwest corner of County. Post. 58
Rockland street, southeast corner of Hall. Post. 56
Rockland street, south side, 13 feet west of Orchard. Post. 54
Rockland street, southwest corner of Lombard. Post. 50
Rounds street, northwest corner of Elm. Post. 22
Russell street, south side, east of Fifth 92 feet. 54
Russell street, southwest corner of Sixth. Post. 47
Russell street, south side, 179 feet west of Sixth. Post. 42
Salisbury street, west side, 598 feet south of Cove. Post.
Sawyer street, southwest corner of Bowditch. Post. 53

Sawyer street, southwest corner of Acushnet avenue. Post. 59
Sawyer street, southeast corner of Belleville avenue. Post. 65
Sawyer street, south side, 418.8 feet east of Mitchell. Post. 64
School street, southwest corner of Sixth. Post. 37
Scott street, south side, 169 feet west of County. Post.
Second street, northwest corner of Mill. 55
Second street, west side, south of Elm 52 feet. Post. 52
Second street, west side, south of Spring 74 feet. 55
Second street, northwest corner of Coffin. 61
Second street, west side, at head of Morgans lane. Post. 60
Second street, west side, north of Grinnell 61 feet. 63
Second street, west side, north of Potomska 232 feet. Post. 61
Second street, west side, south of Potomska 122 feet. Post. 63
Second street, west side, 188 feet south of Blackmer. Post. 59
Seventh street, southwest corner of Union. Post. 31
Seventh street, west side, north of Madison 50 feet. 36
Shawmut avenue, southwest corner Willis. Post.
Shawmut avenue, southwest corner of Parker. Post.
Shawmut avenue, west side, head of Locust. Post. 17
Shawmut avenue, west side, 38.7 feet north of Tilton. Post. 11
Shawmut avenue, west side, north of Austin. Post. 13
Shawmut avenue, west side, 497 feet north of Durfee. Post.
Shawmut avenue, southwest corner of Grand. Post.
Sherman street, south side, west of County 314 feet. 51
Short street, west side, 128 feet south of Allen. Post.
Sisson street, northwest corner of Union. Post. 25
Sixth street, west side, north of Grinnell 194 feet. Post. 60
Smith street, southwest corner of Chestnut. Double. 22
Smith street, southeast corner Spruce. Double. 20
Smith street, southeast corner of Shawmut avenue, ... 22
Smith street, south side, east of Park 5 feet. Post. 29
South street, southwest corner of Acushnet avenue. 62
South street, southwest corner of Second. 62
South street, southwest corner of Water. Post. 63
South street, southwest corner of Prospect. Post. 61
Spring street, southeast corner of Acushnet avenue. Post. 51
Spring street, southwest corner of Seventh. 32

Spring street, southeast corner of Fifth. 42
State street, northwest corner of Sycamore. 35
State street, southwest corner of Pearl. 34
Summer street, northwest corner of North. 16
Summer street, northwest corner of Hillman. 16
Summer street, southwest corner of Willis. 26
Sycamore street, southwest corner of Thomas. 30
Sycamore street, southwest corner of Summer. 24
Sycamore street, south side, west of Ash 68 feet. 22
Thomas street, northwest corner of Hillman. 24
Thompson street, south side, 20 feet east of Hall. Post. 58
Thompson street, southwest corner of County. Post. 59
Tremont street, southwest corner of Union. Post. 26
Tremont street, northwest corner of Maple. Post. 29
Trinity street, south side, 145 feet west of Cedar. Post. 19
Union street, southwest corner of Water. Double. 57
Union street, southeast corner of Second. 52
Union street, southwest corner of Acushnet avenue. Double. . . . 48
Union street, southwest corner of Sixth. Post. 38
Union street, southeast corner of Emerson. Post. 28
Union street, south side, 344 feet west of Park. Post. 28
Walden street, southwest corner of Maxfield. 31
Wall street, south side, east of Acushnet avenue 165 feet. 62
Walnut street, northwest corner of Front. Post. 61
Walnut street, southwest corner of Second. 57
Walnut street, southeast corner of Fourth. Double. 51
Walnut street, southwest corner of Seventh. Post. 38
Wamsutta street, south side, west of Front 200 feet. Post. 65
Wamsutta street, south side, west of Front 372 feet. Post. 65
Wamsutta street, south side, east of Acushnet avenue 285 feet. Double. 64
Ward street, west side, 62 feet south of Bay. Post. 46
Washburn street, southeast corner of Acushnet avenue. 59
Washburn street, south side, west of North Front 228 feet. 59
Washington street, southeast corner of Crapo. 58
Washington street, south side, west of Orchard 102 feet. 50
Washington street, southeast corner of Dartmouth. 46

Water street, southwest corner of Hillman. 65
Water street, southwest corner of North. Post. 64
Water street, west side, south of North 258 feet. 63
Water street, northwest corner of Middle. Double. 62
Water street, southwest corner of Elm. 60
Water street, west side, north of Centre 46 feet. 50
Water street, west side, north of School 22 feet. 60
Water street, northwest corner of Walnut. 61
Water street, northwest corner of City wharf. 62
Water street, northwest corner of Coffin. 64
Water street, west side, head of Pine. Post. 67
Water street, west side, head of Leonard. Post. 62
Water street, southwest corner of Howland. Post. 60
Water street, northwest corner of Grinnell. Post. 60
Water street, northwest corner of Potomska. Post. 63
Water street, west side, 266 feet south of Potomska. Post. 63
Water street, northwest corner of Rivet. Post. 63
Water street, southwest corner of Blackmer. Post. 63
Water street, northwest corner of Delano. Post. 62
Water street, west side, head of Gifford. Post. 62
Water street, northwest corner of Cove. Post. 62
Weld street, southwest corner of State. Post. 43
William street, southwest corner of Bethel. 51
William street, southeast corner of Acushnet avenue. Post. 47
William street, southwest corner of Sixth. Post. 38
William street, southwest corner of Eighth. 26
Willis street, southeast corner of Pleasant. Post. 41
Willis street, southwest corner of State. 32
Willis street, southwest corner of County. Post. 26
Willis street, southwest corner of Cottage. Post. 19
Willis street, south side, west of Cedar 200 feet. 18
Willow street, south side, 305.1 feet east of Cedar. Post. 16
Willow street, south side, 163 feet west of Bullock. Post.
Wing street, southwest corner of Fourth. 57
Wing street, southwest corner of Sixth. Post. 57
Winsor street, south side, west of County 455½ feet. Post. 58
Winsor street, south side, 77½ feet east of Crapo. Post. 60

Number of flush hydrants,	195
Number of post hydrants,	347
Total number of hydrants,	542

SUMMARY OF STATISTICS.

REPORT OF 1892.

IN ACCORDANCE WITH SUGGESTIONS ADOPTED BY THE

New England Water Works Association.

New Bedford Water Works, Bristol County, Mass.

Population by census of 1890,

40,705

Date of construction,

1866 to 1869, inclusive.

By whom owned,

The property of the city of New Bedford.

Source of supply,

From a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet river, seven miles north of the centre of the city.

Mode of supply,

By gravitation into the city, thence pumped into a distributing reservoir on an elevated site.

PUMPING.

1. Builders of pumping machinery,
   - *a.* McAlpine engine, built by Quintard Iron Works.
   - *b.* Worthington engine, built by Henry R. Worthington.
   - *c.* High duty Worthington engine, built by Henry R. Worthington.

2. Description of coal,

First Contract.

a. Anthracite.
b. Not applicable.
c. Size, egg.
d. Brand, Upper Lehigh.
e. Price per gross ton delivered, $5.15.
f. Percentage of ash, 13.
g. Wood, price per cord, $4.00.

Second Contract.

a. Anthracite.
b. Not applicable.
c. Size, egg.
d. Brand, Lehigh.
e. Price per gross ton delivered, $5.00.
f. Percentage of ash, $13\frac{2}{10}$.
g. Wood, price per cord, $4.00.

Third Contract.

a. Not applicable.
b. Bituminous.
c. Not applicable.
d. Pocahontas.
e. Price per gross ton delivered, $4.00.
f. Percentage of ash, 8.
g. Wood, price per cord, $4.00.

	McAlpine.	Worthington.	High Duty Worthington.
3. Coal consumed for the year, in pounds,	934,150	428,100	1,095,680
4. $\frac{\text{Lbs. of wood consumed in pounds}}{3}$ = coal,	200	267	267
5. Total fuel consumed for the year (3) + (4),	934,350	428,367	1,095,947
6. Total pumpage for the year in gallons,	584,860,523	214,567,440	792,588,940

7. Av. static head against which pumps work,	125.8	125.1	125.6
8. Av. dynamic head against which pumps work,	135.1	126.3	127.9
9. *a*. Number of gallons pumped per pound of coal (3),	626	501	723
b. Nunber of gallons raised 100 feet per pound of coal for total coal (3),	846	633	925
10. Duty in foot pounds per 100 pounds of coal, using following formula, making no deductions for starting, banking fires, heating building, or anything else,			
Duty = $\frac{\text{Gallons pumped (6) x 8.34 (lbs.) x 100 x dynamic head (8)}}{\text{Total fuel consumed (5)}}$	70,523,414	52,757,332	77,160,824

Cost of Pumping Figured on Pumping Station Expenses, viz.: $10,985.76.

11. Per million gallons raised against average dynamic head (8) into reservoir,	$6.90
12. Per million gallons raised one foot high (dynamic),	5.29 cents.

Cost of Pumping Figured on Total Maintenance (see Financial CC.), viz.: $76,861.70.

13. Per million gallons raised against average dynamic head (8) into reservoir, $48.23

14. Per million gallons raised one foot high (dynamic), 37.04 cents.

FINANCIAL.

MAINTENANCE.

RECEIPTS.		EXPENDITURES.	
From consumers.		AA. Management and repairs,	$37,761.70
A. Water rates, domestic,	$64,068.87	BB. Interest on bonds,	39,100.00
B. Water rates, manufacturing,	7,803.68		
C. Net receipts from water,	$71,872 55	CC. Total maintenance for year,	$76,861.70
D. Miscellaneous (sales, etc.),	354.45	CC. Bonds paid,	30,000.00
E. Total,	$72,227.00	CC. Sinking funds,	600.00
From public funds:		DD. Balance to construction,	46,465.30
J. General appropriation, water,	$12,000.00		
J. General appropriation, debt,	69,700.00		
K. Gross receipts from all sources,	$153,927.00	KK. Total,	$153,927.00

RECEIPTS.			EXPENDITURES.		
R. Balance from previous year,	$47,129.33		FF. Extension, mains,		$31,475.34
Balance for maintenance,	46,465.30	$93,594.63	GG. Extension, services,		
s. Bonds issued,		00.00	*a.* Services,	$6,162,43	
u. Other sources (service, private lines, meters, etc.),		9,195.68	*b.* Mill pipe, fountains, meters,	1,458.61	7,621.04
			HH. Special extensions,		13,749.37
			II. Total construction for year,		$52,845.75
			JJ. Balance,		49,944.56
v. Total,		$102,790.31	KK. Total,		$102,790.31

w.	Net cost of works to this date,	$1,525,215.92
x.	Bonded debt at this date, $560,000; trust fund, $100,000 =	660,000.00
y.	Sinking fund,	3,354.65
z.	Average rate of interest,	$5\frac{66}{100}$ per cent.

CONSUMPTION.

1. Estimated total population at date,
   50,000
2. Estimated population on lines of pipe at date,
   45,000
3. Estimated population supplied at date,
   41,776
4. Total number gallons consumed for year,
   1,607,955,166
5. Passed through domestic meters,
   9,588,881 gallons, or $0\frac{6}{10}$ per cent.
6. Passed through manufacturing meters,
   272,550,829 gallons, or 17 per cent.
7. Average daily consumption, in gallons,
   4,393,320
8. Gallons per day to each inhabitant (1),
   88
9. Gallons per day to each customer (3),
   105
10. Gallons per day to each tap (distribution 22),
    616

DISTRIBUTION.

MAINS.

1. Kind of pipe used,
   Wrought iron cement lined, and cast iron.
2. Size,
   From 4 to 30 inches.
3. Extended,
   20,689 feet.
4. Discontinued,
   866 feet.
5. Total now in use,
   $68\frac{6367}{10000}$ miles.
6. Cost of repairs per mile,
   $9.94

7. Number of leaks for the year,
12

8. Small distribution pipe, less than 4 inches, total length,
5,922 feet.

9. *a*. Fire hydrants, added,
43

b. Watering-cart connections added,
0

10. *a*. Number of fire hydrants now in use,
542

b. Number of watering-cart hydrants now in use,
40

11. Stop gates added,
41

12. Number now in use,
742

13. Small stop gates, less than 4 inches, total,
62

14. Number of blow-off gates,
72

15. Range of pressure at centre for day and night,
30 to 36 lbs.

SERVICES.

16. Kind of pipe used,
Lead and cast iron.

17. Size,
From $\frac{1}{2}$ to 8 inches.

18. Extended,
13,850 feet.

19. Discontinued,
102 feet.

20. Total now in use,
$43\frac{94}{100}$ miles.

21. Service taps added,
397

22. Number now in use,

7,134

23. Average length of service laid during past year,

35 feet.

24. Average cost of service,

a. Gross, $15.52
b. Net, $1.39

25. Meters added,

9

26. Number now in use,

a. Domestic, 91
b. Manufacturing, 53

27. Motors and elevators discontinued,

2

28. Number now in use,

31

In Board of Aldermen,
January 12, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

DANIEL B. LEONARD,
City Clerk.

In Common Council,
1 mo. 12, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1892—CITY DOCUMENT NO. 4.

FORTY-FIRST ANNUAL REPORT

OF THE

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD,

MASS.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

Officers of the Free Public Library

FOR THE YEAR 1893.

TRUSTEES.

Ex-Officio. Terms expire January, 1894.

JETHRO C. BROCK, Mayor of the City.
SAMUEL C. HART, President of the Common Council.
HENRY H. CRAPO, Chairman of the Committee of the City Council on Public Instruction.

Elected by the City Council.

GEORGE H. DUNBAR,	Term expires April, 1893.
WALTER S. ALLEN,	Term expires April, 1893.
ISAAC B. TOMPKINS, JR.,	Term expires April, 1894.
MATTHEW C. JULIEN,	Term expires April, 1894.
LEONARD B. ELLIS,	Term expires April, 1895.
ARTHUR G. GRINNELL,	Term expires April, 1895.

PRESIDENT OF THE BOARD.
THE MAYOR.

CLERK.
WILLIAM L. R. GIFFORD.

COMMITTEES.

On the Library—The Mayor, Messrs. Julien, Allen, and Crapo.
On the Building—Messrs. Tompkins, Ellis, and Hart.
On Binding and Blanks—Messrs. Dunbar and Grinnell.

SUPERINTENDENT OF THE LIBRARY.
GEORGE H. DUNBAR.

LIBRARIAN.
ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.
WILLIAM L. R. GIFFORD.

ASSISTANTS.
JOSEPHINE A. MERRICK, M. E. BROWN,
SUSIE H. GAMMONS.

JANITOR.
YORICK W. AMES.

REPORT.

To the City Council of the City of New Bedford:

GENTLEMEN,—The trustees of the Free Public Library respectfully submit their forty-first annual report.

The use made of the library during the year has been very gratifying, the number of books delivered for home use having been 83,707. This is a slight decrease as compared with the previous year, due to the largely restricted use of the library made by the citizens during the prevalence of scarlet fever and small pox.

The number of people who frequent the library reading room, not only to see the current periodicals, but for purposes of study, is constantly increasing, and this has shown very clearly the inadequacy of the present building for a proper utilization of the existing collection and has emphasized very strongly the need for further room to meet the demands made by the natural increase of the library and by the necessity for proper care and cataloguing.

There is urgent need of a card catalogue of subjects, but the present facilities for storing books and for the work of the librarian are so restricted that it has been impossible for much work to be done in this direction.

As stated at length in our communication made to you on June 9, the library requires a new building which shall

not only provide for its immediate and pressing needs, but allow for further extension of its sphere of usefulness during coming years. Such a building must be designed to meet the wants of a working library and ample provision should be made not only for the storage and delivery of books, but opportunity should also be given for workers who desire to avail themselves of the valuable special works of which the library possesses a large number. To accomplish this, special rooms should be provided for such study, apart from the general reading room where the current periodicals are kept, and this latter room should be separated from the delivery room. The librarian's department should have facilities for the proper performance of its work, which should be separate from the book stack; and, above all, the building should be as nearly fire proof as possible.

A new building, to meet the requirements of the library, need not greatly exceed in cost the expense of adapting the present building in an imperfect manner to the immediate needs of the library; and the result of any such alterations would be unsatisfactory to the city and to the citizens and would give a building far from fire proof. The need for more accommodations becomes every year more pressing, and we feel it our duty to urge that such steps may be taken as will render it possible for the library to do its work in a manner worthy of the city.

The annual charge on the taxpayer is very light and it would seem as if the city ought to provide such quarters as will enable the trustees to efficiently carry out the wishes of the generous donors of the various funds, the income of which is to be applied to the work of the library.

Under the will of Elizabeth T. Wood, the library has received a bequest of $2,000, to be known as the "Charles L. Wood Fund," in memory of her late hus-

band. This has been funded, and the income will be available for the general purposes of the library.

The patronage of the reading room is very satisfactory both on week days and Sunday afternoons, and we feel justified in saying that the Sunday opening has passed the experimental stage and may be called entirely successful.

We feel obliged to again call your attention to the lighting of the book stacks in the present building. The arc lamps at present employed for that purpose are totally unadapted for the proper lighting of the space, as they are so placed that the titles of the books are in the deep shadows cast by these lamps, thus making it a work of considerable difficulty to find books after the lamps are lighted. Not only this, but the particles of red-hot carbon which often drop from the lamps are a constant source of danger from fire, and within a few months a fire started by the dropping of such sparks on an umbrella was only rendered harmless by the chance presence of the librarian on the spot at the moment when the blaze broke out. For both safety and convenience the arc lamps should be immediately replaced by incandescent lamps such as are now in use in that part of the building used as a reading room.

The general condition of the library may be said to be very good, but the lack of room prevents the proper utilization of the books now owned and makes the problem of storage of the acquisitions one of extreme difficulty.

In closing this report, the trustees feel it their duty to express the deep sense of loss caused by the death of Hon. George Howland, junior, who had been for nearly thirty-seven years a trustee of the library, and whose interest in its welfare was constant. Progressive and far sighted, his presence on the Board was of immense value during the years of the formation and development of the library,

while his quick perception and sound judgment enabled him to be of great assistance in keeping our library in that position among American libraries which it early attained.

At the meeting of the trustees on Feb. 29, the following resolutions, expressing the feelings of the Board, were adopted:

"It is with deep sorrow that the trustees of the New Bedford Free Public Library have learned of the death of their associate, George Howland, jun., and they take this method of expressing their sense of the loss they have sustained.

"Mr. Howland's connection with this board began in 1855 and, with the exception of the years 1857 and 1860, lasted until the time of his death. Throughout this long term of service, his interest in the library was keen and unvarying. Its steady growth, the new conditions and the fresh demands imposed by the rapid development of our city and by the changing character of our population, — all these were ever carefully watched by Mr. Howland with an eye to the meeting fairly of every new want and to the omitting of nothing that might render the library a more efficient factor in the lives of our people.

"Mr. Howland was the first benefactor of this institution with which he was so long connected. In 1857, while the library was yet small and with slight resources, he gave the salary which he had received as mayor of the city for two years, then just completed, as a perpetual fund, the interest on which should go toward the purchase of books which would ordinarily be regarded as beyond the means of the trustees. It is particularly deserving of mention in this place that when, a few years later, the bonds in which the gift was made became of no value, Mr. Howland deposited in the city treasury a sum equal to the original amount, in order that the means of the library, increased by his own generosity, might in no way be impaired. The fund thus constituted was of great assistance for many years. And although the munificence

of other New Bedford people has since greatly increased the resources of the library, yet the usefulness of this fund has in no degree diminished; and our shelves will continue to receive valuable books, which will form a lasting memorial of the thoughtfulness and public spirit of our late associate.

"The portrait of George Howland, jun., which has long hung on our walls, has witnessed many changes in the institution which owes him so much, and it will witness many more as time goes on. But his name will always be remembered as of one whose kindly aid and wise counsel were often sought and never in vain."

APPENDIX.

GENERAL STATISTICS FOR 1892.

Books and pamphlets purchased in 1892,	1,440
Volumes donated in 1892,	446
Pamphlets donated in 1892,	496
Volumes bound,	298
Volumes re-bound and repaired,	409
Volumes worn out and rejected,	362
New cards issued,	913
Notices sent for books overdue,	151
Newspapers now on file in the reading room,	17
Books taken from the library in 1892,	83,707

The following table shows the attendance at the library on Sunday, during 1892. The largest attendance was 52, March 13; the smallest was 16, June 19; average attendance, 32. After June 26, the library was closed on Sundays until October 2.

Jan. 3.	41
10.	40
17.	46
24.	48
31.	41
Feb. 7.	35
14.	33
21.	45
28.	43
Mar. 6.	40
13.	52
20.	38
27.	40

Apr. 3.	34
10.	30
17.	27
24.	25
May 1.	28
8.	23
15.	25
22.	23
29.	20
June 5.	21
12.	18
19.	16
26.	20
Oct. 2.	22
9.	30
16.	25
23.	32
30.	36
Nov. 6.	30
13.	28
20.	38
27.	35
Dec. 4.	40
11.	35
18.	30
25.	20

Total attendance for 39 Sundays, 1,253. Average attendance, 32, an increase of 6 over the average attendance of 1891.

FINANCIAL STATEMENT CONCERNING THE FREE PUBLIC LIBRARY FOR 1892.

STATEMENT OF THE LIBRARIAN.

1892.			
Jan. 1.	Cash on hand,	$51.25	
	Books lost and paid for,	2.38	
	Fines during 1892,	185.82	$239.45
	Paid for expressage, freight, and jobbing,	$34.76	
	P. O. box and postage,	33.63	
	Books and papers,	3.00	
	Binding and paper cutting,	13.70	
	Stationery,	23.93	
	Incidentals,	79.06	
1893, Jan. 1.	Balance in hands of librarian,	51.37	$239.45

FREE PUBLIC LIBRARY ACCOUNT.

1892.	Bills approved January,	$476.01	
	February,	447.50	
	March,	494.54	
	April,	461.76	
	May,	469.46	
	June,	488.38	
	July,	457.62	
	August,	480.23	
	September,	521.17	
	October,	511.00	
	November,	483.12	
	December,	543 33	$5,834.12
1892, Jan. 1.	Annual appropriation,	$5,800.00	
	Transfer,	34.12	$5,834.12

TRUST FUND ACCOUNT.

1892.			
Jan. 1.	Sylvia Ann Howland fund,	$3,337.83	
	George Howland, jr., fund,	180.53	
	Charles W. Morgan fund,	127.84	
	Oliver Crocker fund,	197.90	
	George O. Crocker fund,	319.54	
	James B. Congdon fund,	410.37	
	Dog fund,	665.65	$5,239.66

SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND.

1892.			
Jan. 1.	Unexpended balance of income,	$3,337.83	
July 1.	Six months' interest,	1,500.00	
Dec. 31.	Six months' interest,	1,500.00	$6,337.83

Bills approved for books, periodicals, and binding:

January audit,	$259.72	
February,	196.80	
March,	276.14	
April,	469.78	
May,	179.77	
June,	324.52	
July,	157.06	
August,	293.87	
September,	318.30	
October,	176.08	
November,	1,220.58	
December,	445.78	$4,318.40

The detailed statement of the expenditures from the income of this fund is as follows:

Academy of Natural Sciences,	$5.00
American Journal of Philology,	3.00
American Library Association,	10.00
Appleton, D., & Co.,	13.50
Bancroft-Whitney Co.,	28.00
Biblia Publishing Co.,	1.00
Birdsong, J. C.,	50.00
Boston Public Library,	1.00
Cadby, J. H. W.,	2.64
Clarke, W. B., & Co.,	1.66

Cunningham, G. T.,	$320.00
Cutter, C. A.,	4.25
Damrell & Upham,	9.50
Dedham Historical Register,	1.00
Dews, E.,	500.23
E. Anthony & Sons, Incorp.,	6.00
Ellis, G. H.,	2.00
Essex Institute,	6.00
Evening Journal Co.,	5.00
Foster, L. S.,	36.00
Francis, D. G.,	5.16
Gidley, S. G.,	12.00
Ginn & Co.,	1.50
Gorges Society,	4.00
Harper, F. P.,	1.97
Harvard Graduates' Magazine,	1.00
Hathaway, J. H., City Treasurer,	166.28
Houghton, Mifflin, & Co.,	53.50
Hutchinson, H. S., & Co.,	664.18
Inman, H. S.,	10.00
Jones, G. V., & Co.,	4.75
Joel Munsell's Sons,	5.00
Lawrence, L. L.,	17.76
Library Bureau,	2.00
Little, Brown, & Co.,	809.58
Littlefield, G. E.,	157.67
Lowdermilk, W. H., & Co.,	5.00
McDonough, J.,	5.00
Macomber, P. A.,	2.50
Mason, D., & Co.,	20.00
Massachusetts Historical Society,	6.00
Morell, T. H.,	3.65
Morrison, L. A.,	3.50
Nash, E. W.,	5.00
New England Magazine,	3.00
O'Shea, P.,	11.25
Phillips, G. R.,	3.00
Poor, H. V. & H. W.,	9.00
Publishers' Weekly,	3.00
Ricketson, D.,	15.00
Roffe, A. H., & Co.,	266.35
Sampson, Murdock, & Co.,	1.00
Schoenhof, C.,	121.31
Shea, J. G.,	5.00
Skinner, J.,	5.25

Studies in History and Politics,		$3.60	
Taber, R. W.,		488.56	
United States Patent Office,		31.20	
University of Pennsylvania Press,		2.00	
W. H. Parish Publishing Co.,		19.80	
Waldron, C. D.,		1.00	
Woodward, C. L.,		6.30	
Yorston Bros.,		350.00	$4,318.40

GEORGE HOWLAND, JR., FUND.

1892.			
Jan. 1.	Unexpended balance of income,	$180.53	
	One year's interest,	96.00	$276.53

CHARLES W. MORGAN FUND.

1892.			
Jan. 1.	Unexpended balance of income,	$127.84	
	One year's interest,	60.00	
		$187.84	
A. McL. Goodspeed,		99.00	$88.84

OLIVER CROCKER FUND.

1892.			
Jan. 1.	Unexpended balance of income,	$197.90	
	One year's interest,	60.00	
		$257.90	
Academy of Natural Sciences,		40.00	$217.90

GEORGE O. CROCKER FUND.

1892.				
Jan. 1.	Unexpended balance of income,		$319.54	
	One year's interest,		400.00	
			$719.54	
E. Anthony & Sons, Incorp.,		$128.75		
Charles Taber & Co.,		35.50	164.25	$555.29

JAMES B. CONGDON FUND.

1892.			
Jan. 1.	Unexpended balance of income,	$410.37	
	One year's interest,	30.00	$440.37

DOG FUND.

1892.				
Jan. 1.	Unexpended balance of income,		$665.65	
Feb.	Received from County Treasurer,		1,274.42	
			$1,940.07	
Y. W. Ames,		$732.00		
Briggs & Lawrence,		14.85		
Carter, Rice, & Co., Incorp.,		30.00		
E. Anthony & Sons, Incorp.,		35.92		
L. M. Gammons,		115.50		
D. J. McAuliffe,		72.00		
Mercury Publishing Co.,		27.53		
E. J. Merrick,		207.00		
Pierce & Bushnell Mfg. Co.,		7.50	1,242.30	$697.77

Total unexpended balance in the control of the Board of Trustees:

1893.			
Jan. 1.	Sylvia Ann Howland fund,	$2,019.43	
	George Howland, jr., fund,	276.53	
	Charles W. Morgan fund,	88.84	
	Oliver Crocker fund,	217.90	
	George O. Crocker fund,	555.29	
	James B. Congdon fund,	440.37	
	Dog fund,	697.77	$4,296.13

WILLIAM L. R. GIFFORD, Clerk.

GIFTS, 1892.

	Volumes.	Pamphlets.
Abbe, E. P.,	6	6
Adams, Charles F., 23 Court street, Boston,	1	2
Allen, *Mrs.* A. A., Alfred Centre, N. Y.,		1
American Antiquarian Society, Worcester,	3	
American Journal of Photography, Publishers of	1	
American Philosophical Society,	1	
American Unitarian Association,	1	
Ames Free Library, North Easton,		1
Amherst College, Amherst,		1
Andrew, W. A., Marion,		1
Apprentices Library, New York City,		1
Apprentices Library Company of Philadelphia,		2
Aron, J., 30 rue Bergère, Paris, France,		1
Barney, E. L.,	1	
Berry, John M., Worcester,		1
Boston Public Library,		1
Boutell, Lewis H., Chicago, Ill.,	1	
Brett, W. H.,		1
Brooklyn Library,		2
Brown, M. L.,	1	
Buffalo Historical Society,		1
Butler Hospital for the Insane, Providence, R. I.,		1
Chambrun, *Le comte de*, Paris, France,	1	
Champlin, G. G., Alfred Centre, N. Y.,		19
Chase, Warren E., Papers.		
Chicago Public Library,		1
Choate, Charles F., Boston,		1
Choate, John C., Essex,		1
Christian Science Journal, Publishers of,	1	
Cincinnati Public Library,		7
Clarke Institution for Deaf-mutes, Northampton,		1
Cleveland Public Library,		1
Columbia College, New York City,		1
Commissioners of the State Reservation at Niagara, 214 Broadway, New York City,		1

Cooper Union, New York City,		1
Crapo, Wm. W.,	7	
Cutter, Abram E., 41 Monument sq., Charlestown,		1
Denver Public Library,		9
Detroit Public Library,		2
Donor unknown,	1	1
Drexel Institute, Philadelphia, Pa.,		1
Egypt Exploration Fund,		1
Ellis, John,		1
Emery, W. M.,		3
Essex Institute, Salem,	1	1
Executive Committee of the 24th National Encampment, G. A. R.,	1	
Fall River Public Library,		1
Farrington, W. H., New York City,	2	12
Field, B. R., 413 Northampton street, Easton, Pa.,		1
Fitz Public Library, Chelsea,		1
Folger, *Mrs.* William C., Nantucket,	Photograph and Ambrotype.	
Friends Free Library, Germantown, Pa.,		1
Gas and Electric Light Commissioners of Massachusetts,		1
General Society of Mechanics and Tradesmen, 18 East 16th st., New York City,		1
Gifford, *Mrs.* Fred S.,	Portrait.	
Gordon, H. L.,	1	
Green, *Dr.* S. A., Boston,		88
H. Sophie Newcomb Memorial College,	1	
Hall, *Mrs.* I. D.,	5	
Hamilton, M. R., Trenton, N. J.,	2	
Hartford Library Association,		1
Hartford National Bank, Hartford, Conn.,	1	
Hartford Theological Seminary, Hartford, Conn.,		1
Harvard University,	1	8
Hopedale Public Library,		1
Hough, *Dr.* Geo. T.,		6
Howland, James, 2d, Heirs of,	70	32
Jersey City Free Public Library,		11
Johns Hopkins University, Baltimore Md.,		2
Jones, Augustine, Providence, R. I.,		1
Koopman, H. L., Burlington, Vt.,		1
Ladd, Warren,		1
Lang, H. R., New Haven, Conn.,		1
Lawrence Public Library,		2
Library Committee of Lancaster,		1

Library Company of Philadelphia,		1
Los Angeles Public Library,		1
Lynn Public Library,		2
Mackenzie, Harriot,	2	
Maimonides Library, New York City,		1
Massachusetts, Commonwealth of,	19	4
Mass. Charitable Mechanics Association,	1	
Mass. Civil Service Commissioners, Boston		2
Mass. School for the Feeble-minded, Waltham,		1
Mass. Society for Promoting Agriculture, 53 State st., Boston,	1	
Mass. Woman Suffrage Association, Boston,	3	
Mercantile Library Association, New York City,		2
Mercantile Library Association, San Francisco, Cal.,		1
Mercantile Library Company, of Philadelphia,		2
Mercury Publishing Company,	2	
Metcalf, *Rev.* H. A.,	1	
Minneapolis Public Library,	1	2
Monroe, Fred. S.,	2	
Murray, A. T., Palo Alto, Cal.,		3
Nash, *Mrs.* N. C., Cambridge,	1	
New Bedford, City of,	60	6
New Bedford Board of Assessors,		11
New Haven Free Public Library,		1
New Jersey State Library,	1	
Newark Free Public Library,		1
Newberry Library, Chicago, Ill.,		1
Newton Free Library,		1
Nicaragua Canal Construction Co., 44 Wall st., New York City,		2
Northampton Lunatic Hospital,		2
Ohio Meteorological Bureau, Columbus, Ohio,		2
Ohio State Board of Agriculture,		3
Peabody Institute, Peabody,		2
Perkins Institution for the Blind, Boston,		1
Peirce, Chas. H.,	1	
Pope, Albert A., Boston,		1
Potter, *Rev.* Wm. J.,		2
Pratt Institute, Brooklyn, N. Y.,		1
Prescott, *Mrs.* Helen H.,	53	34
Providence Public Library,		1
Providence Record Commissioners,	1	1
Randall, Chas. S.,	16	
Raum, George E.,	1	
Redwood Library, Newport, R. I.,		1

Reuben Hoar Library, Littleton,		2
Rodman, Edmund,	2	
Ross, *Lieut.* Worth G., Washington, D. C.,		1
Rosse, *Dr.* Irving C., Georgetown, D. C.,		2
Royal Society of Canada, Montreal,	1	
Russell, Martha,	3	
St. Louis Mercantile Library,		2
St. Louis Public Library,		1
Salem Public Library,		2
San Francisco Free Public Library,		1
Sherman, *Mrs.* Phebe A. G.,	1	
Smith, Cassius C., Denver, Colorado,		1
Smithsonian Institution, Washington, D. C.,	1	3
Snow, Susan S., ... Marble bust.		
Société Nationale d'Acclimatation de France, Paris, France,	1	
Southern California Bureau of Information, Los Angeles, Cal.,		1
Springfield City Library,		11
Sunset Club, 154 Lake st., Chicago, Ill.,	1	
Swain Free School,		1
Swansea Public Library, Swansea, Wales,		1
Tabor Academy, Marion,		1
Taunton Public Library,		1
Thompson, John H.,	1	
Toledo Public Library,		1
Topham, W. B.,	1	3
Trustees of Public Reservations, 50 State st., Boston,		1
Tucker, Geo. F.,	2	6
Tyler, Chas. E.,		2
Union for Christian Work, 67 Schermerhorn st., Brooklyn, N. Y.,		1
United Societies of Shakers, Canterbury, N. H.,	1	
United States:		
— Agricultural Department,	4	28
— Bureau of Education,	3	9
— Bureau of Navigation,	1	4
— Coast Survey,	1	1
— Interior Department,	76	
— Interstate Commerce Commission,	2	
— Patent Office,	2	
— State Department,	3	18
— Treasury Department,	3	1
— War Department, ... Maps.	9	
University of California, Berkeley, Cal.,		1

University of Chicago,		3
University of Denver,		1
University of Michigan, Ann Arbor, Mich.,		2
University of Pennsylvania, Philadelphia, Pa.,		2
University of Utah, Salt Lake City, Utah,		1
University of Vermont, Burlington, Vt.,		1
Warren County Library and Reading Room Association, Monmouth, Ill.,		2
Watertown Free Public Library,		1
White, Annie M.,		1
Wilcox, Thos.,	26	
Willey, Henry,	24	1
Wilmington Institute, Wilmington, Del.,		1
Winnipeg Board of Trade, Winnipeg, Manitoba,		1
Winslow, *Dr.* Geo. F., Norfolk, Va.,		1
Woburn Public Library,		1
Worcester Free Public Library,		1
Yale University,		4

In Board of Aldermen,
January 26, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
January 26, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1892—CITY DOCUMENT NO. 5.

ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT

OF THE CITY OF NEW BEDFORD,

FOR THE YEAR ENDING DECEMBER 31, 1892.

FREDERICK MACY, CHIEF ENGINEER.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

COMMITTEE OF THE CITY COUNCIL

ON

FIRE DEPARTMENT,

1892.

Aldermen,

WILLIAM H. SHERMAN,

Residence, cor. School and Fourth streets.

WILLIAM H. RANKIN,

Residence, 27 Bonney street.

Councilmen.

STEPHEN B. WILBER,

Residence, 117 Sycamore street.

ISAAC L. ASHLEY,

Residence, 43 Wing street.

MARTIN FICHTENMEYER,

Residence, Crapo street, near Thompson.

ENGINEERS' DEPARTMENT.

Chief Engineer,
FREDERICK MACY,
Residence, 234 Acushnet avenue.

First Assistant Engineer,
LORING T. PARLOW,
Residence, 5 North street.

Second Assistant Engineer,
PLINY B. SHERMAN,
Residence, 433 Acushnet avenue.

Third Assistant Engineer,
AUGUSTUS A. WOOD,
Residence, Corner Bedford and Sixth streets.

Fourth Assistant Engineer,
GEORGE M. CRAPO,
Residence, Corner Elm and North Second streets.

Clerk of Board of Engineers,
LUTHER G. HEWINS, JR.,
Residence, 762 County street.

Master Mechanic,
DANIEL D. BRIGGS,
Residence, 43 Bedford street.

Department Engineer,
GEORGE H. PARKER,
Residence, Parker street.

Department Driver,
CHARLES A. HASKINS,
Residence, 236 Kempton street.

Department Lineman,
HARRY L. SMITH,
Residence, 325 Cottage street.

REPORT.

HEADQUARTERS FIRE DEPARTMENT,
CITY HALL, NEW BEDFORD,
DECEMBER 31st, 1892.

GENTLEMEN:—In compliance with the requirements of the city ordinance governing the Fire Department of the city, I herewith submit to you my sixteenth annual Report of the condition and work performed by this department for the year 1892, together with a list of members, with their rank, number of badge, age, residence, and occupation; location of hydrants and fire alarm boxes; list of keyholders; a statement of receipts and expenses; fires and alarms; losses and insurance, as near as could be ascertained; and such suggestions as I think will be necessary for the good of the department.

Everything in the department is in good working order and seems to be running smoothly. We have had more fires than the record of this department has ever shown, and, although the losses have been greater than any year since 1884, I think, when we take into consideration the rapid growth of the city and the number of fires we have had, we can hardly call it excessive. The fires which caused the greatest losses were J. D. Roberts' store, on Purchase street, January 15th; the Parker House, February 19th; the burning of the steamship City of Fitch-

burg, April 11th; and the fire in Parker's block, April 29th. The department has been ample for all the fires, but I would call your attention to the fact that the city is fast outgrowing our present department, and there should be something done very soon in relation to having an engine placed at the north end, and I might say there is almost as much need of one at the south end. The city owns the lot adjoining the Weld street station and an addition could be made at much less expense than if we had to buy land and build a new building. If this was done, we should have a house that would accommodate a steam fire engine, ladder truck, hose wagon, and, perhaps, a chemical, if it was desired at some future time.

This has been the most unfortunate year, as regards loss of life, the city has ever experienced, and the deadly oil stove has got in its work in terrible shape. If people who use them could be made to understand that when they take fire the only thing necessary to extinguish them is an old rug or piece of carpet thrown over them, we should have less trouble and there would be fewer lives lost; but it is almost invariably the case that the parties using them try to take them out of the house, and set fire to their clothes in so doing.

FATAL ACCIDENTS.

John P. Kelley, a ladderman on ladder 3, fell from the truck while responding to an alarm from box 58, April 13th, and was so severely injured by being run over, that he lived less than one hour. He was buried on the 17th, nearly the whole department attending his funeral.

Mrs. Mary Jones, aged 75 years, residing at No. 304 Middle street, was burned to death, May 23d. Cause, clothing ignited from stove.

Mrs. Louisa Westgate, aged 35 years, residing at No.

204 Chancery street, was burned to death, July 15th. Cause, explosion of oil stove.

Mrs. Hermidine Levecque, aged 52 years; Eva Dupuis, aged 1 year and 5 months, and Bertha Dupuis, aged 4 months, were burned to death at No. 288 Cedar Grove street, August 11th. Cause, explosion of oil stove.

Mrs. Philomene Fregeau, aged 54 years, residing on Hicks street, was burned to death, October 13th. Cause, fall of oil lamp.

Mrs. Mary Dwyer, aged 88 years, residing at No. 152 North street, was burned to death, October 13th. Cause, smoking pipe.

Mrs. Sarah J. Campbell, aged 53 years, residing at No. 101 Mt. Vernon street, was burned to death, December 19th. Cause, explosion of oil lamp.

FORCE OF THE DEPARTMENT.

The force of the department consists of one chief, four assistants and clerk, twenty-nine permanent men, and one hundred seventy-five call men, making a total of two hundred ten men.

APPARATUS.

The apparatus consists of seven steam fire engines, six in commission and one in reserve, one hand engine at the Head of the River, one two and three four-wheeled hose carriages, and four hose wagons, two Hayes aerial ladder trucks, one Ryan truck in commission, and one old truck in reserve, nine exercise and coal wagons, and one telegraph wagon. Our men at the repair shop have built a hose wagon to take the place of the reel of Number One engine, and are building another for Number Five, and we shall soon have all the reels replaced by wagons.

Engines Numbers One, Two, Four, Six, and Seven are in excellent condition and will need nothing done to them. The Number Five is apparently in good order, although the boiler is twenty years old, and will soon have to have a new one or be replaced by a new engine. The old Silsby, which is kept in reserve, begins to show its age, but I think can be made to go some time longer. All of the trucks, wagons, and other apparatus are in good condition. I would call your attention to the necessity of having an aerial ladder truck at the north end. Since the Weld street station was built and occupied there have been several mills and a great many high tenement blocks built, and it seems to me that there is no part of the city where there is more need of a truck of this description, not only to protect property, but to save lives.

HOUSES.

At the beginning of the year there were seven brick and one frame engine houses. The City Council voted to demolish the house of Number Five and replace it with a modern building, and intended to have it ready by January, but, owing to the lateness of the season and the very extreme cold weather, it was decided to postpone the work until spring, thinking they would have a better building. All of the buildings belonging to the department are in very good order, and I know of no great outlay necessary the coming year, the only expense being what we usually have at the spring cleaning.

HORSES.

There are thirty-two horses belonging to the department, most of them in good condition, but a few are getting old and incapacitated, and it will be necessary to replace them the coming year.

HARNESSES.

There are ten sets of double and ten single harnesses, nearly all in good condition.

HOSE.

There are twelve thousand two hundred feet of hose in the department, ten thousand feet of which might be called good, and two thousand two hundred feet doubtful, as it is getting old and unreliable, and should be replaced the coming year, as I consider it poor economy to use hose which cannot be depended upon, as there are fires when one poor piece of hose will make more bother and cause more loss than the whole line is worth.

WATER SUPPLY.

The number of hydrants January 1st, 1892, was four hundred ninety-nine (499); added during the year, forty-three (43), making a total of five hundred forty-two (542). We have had a good supply of water on all occasions. The Water Board and Superintendent have done all in their power to make this branch of the government a success, and we can see the improvement they have made each year, by increasing the size of the mains and the number of hydrants. They have in contemplation the coming year replacing the mains on Purchase street with larger ones and placing a double hydrant on every corner.

FIRE ALARM.

The fire alarm is in good working order and has given good satisfaction during the year; there has been considerable work done on the lines, in the way of changing the circuits and running new wire.

There have been added during the year thirteen (13) fire alarm boxes, six (6) being street and seven (7) private boxes, as follows:

No. 31. Acushnet avenue and Union street.
53. Crapo and Rivet streets.
127. Purchase and Linden streets.
128. County and Penniman streets.
223. Court and Tremont streets.
226. Rodman and Front streets.
83. Rotch Mills.
84. Iron Foundry, foot of Cannon street.
86. Old Colony Steamship Company.
93. Pierce Mills.
94. Old Colony Freight, Pearl street.
95. Bristol Mills.
96. Columbia Mills.

We have now a total of seventy-four (74) boxes, twenty-five (25) of which are private, forty (40) miles of wire, eleven (11) bells and strikers, eight (8) fifteen-inch engine house gongs, seven (7) seven-inch engineers' gongs, and six (6) small tappers, operated by a battery of two hundred twenty-two (222) cups.

PROTECTIVE DEPARTMENT.

The members of this department have responded promptly to all alarms and have done all in their power to save property, but have labored under great disadvantages at times, owing to the limited number of rubber covers at their disposal. We have several very large stores with tremendous stocks of goods, and if the time comes, which may at any time, when it is necessary to use water in the upper part of the building, the loss will be enormous for the want of covers, for it is useless to think of removing

these large stocks of goods in time to save them. I have referred to this matter in several of my reports, and hope the time will come when we shall have every facility for protecting property from water as well as fire.

RECEIPTS AND EXPENDITURES.

Annual appropriation for 1892,		$40,000.00
Special appropriation,		9,500.00
Cash received and paid to the City Treasurer, as follows:		
For pumping,	$37.56	
Sale of old material,	134.11	
Sale of straw,	17.85	
Sale of horses,	340.00	
Sale of manure (City Farm),	378.80	
Labor (Police Department),	783.99	
Overpaid and returned,	6.29	1,698.60
Transfer to balance account,		2,928.25
		$54,126.85
Expenditures,		$54,126.85

CONCLUSION.

To His Honor the Mayor and gentlemen of the City Council, for the interest taken in this department, to the Board of Engineers, for their hearty support, and to the officers and members of the department, for the faithful manner in which they have performed all their duties, I return my most sincere thanks.

FREDERICK MACY,
Chief of Fire Department.

STATEMENT OF EXPENDITURES.

STATEMENT No. 1.

EXPENDITURES OF THE BOARD OF ENGINEERS FOR THE YEAR 1892.

Pay-roll,	$2,279.88

STATEMENT No. 2.

EXPENDITURES OF THE NEW BEDFORD PROTECTING SOCIETY FOR THE YEAR 1892.

Pay-roll,	$150.00	
Horse hire,	63.50	$213.50

STATEMENT No. 3.

EXPENDITURES OF THE FIRE ALARM FOR THE YEAR 1892.

Pay of Assistant Superintendent,	$588.03	
Grain,	96.40	
Vitriol,	36.89	
Wire,	70.31	
Zinc,	111.75	
Boxes,	550.00	
Lumber	56.63	
Copper,	29.07	
Labor,	7.05	
Supplies,	35.52	$1,581.65

STATEMENT No. 4.

RUNNING EXPENSES OF THE COMPANIES FOR THE YEAR 1892.

Company pay-rolls,	$13,089.61	
Permanent men's pay-roll,	24,292.50	
Hay and straw,	1,976.40	
Grain,	1,244.74	
Shoeing and blacksmithing,	557.20	
Harnesses and repairs,	255.16	
Wood and coal,	722.14	
Lights,	620.80	
Engine and wagon repairs,	957.09	
Incidentals,	37.34	$43,752.98

STATEMENT No. 5.

REPAIRS OF BUILDINGS FOR THE YEAR 1892.

Weld street engine house,	$98.14	
No. 1 engine house,	62.33	
Central engine house,	393.25	
No. 4 engine house,	75.82	
No. 5 engine house,	31.31	
No. 6 engine house,	259.75	
No. 7 engine house,	17.70	
No. 9 engine house,	61.73	
Repair shop,	33.39	$1,033.42

STATEMENT No. 6.

INCIDENTAL AND SUPPPLY ACCOUNT FOR 1892.

Horse hire,	$548.20	
Boarding horses,	166.28	
Horses,	1,600.00	
Telephones,	415.00	
Labor,	63.96	
Transportation, carting, and expressing,	131.62	
House furnishings,	378.18	
Extinguishers and charges,	90.00	
Rent,	100.00	
Hose and repairs,	325.00	
Printing,	82.51	
Doctoring for horses,	197.00	
Medicines for horses,	72.60	
Sundries,	1,095.07	$5,265.42

STATEMENT No. 7.

TOTAL EXPENDITURES OF THE FIRE DEPARTMENT FOR THE YEAR 1892.

Expenditures Board of Engineers, as per Statement No. 1,	$2,279.88
Expenses of Protecting Society, as per Statement No. 2,	213.50
Expenditures of fire alarm, as per Statement No. 3,	1,581.65
Running expenses, as per Statement No. 4,	43,752.98
Repairs of buildings, as per Statement No. 5,	1,033.42
Incidentals and supplies, as per Statement No. 6,	5,265.42
	$54,126.85

ONWARD STEAM FIRE ENGINE COMPANY, No. 1.

House on Purchase street, foot of Franklin street. Engine built by Amoskeag Manufacturing Co., Manchester, N. H.; capacity, 500 gallons per minute; weight of engine, as drawn to fires, 6,950 lbs.; weight of hose carriage with 1,050 feet of Boyd's cotton hose, 2,850 lbs.; put into service August 26, 1869. Company organized December 30, 1871.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Apr. 29, 1873.	8	Allen W. Tinkham	Captain.	38	5 Smith st.	Carpenter.
June 28, 1873.	17	George A. Tripp.	1st Lieut.	39	63 Foster st.	Shoemaker.
May 7, 1883.	11	F. W. Brightman.	2d Lieut.	34	178 Kempton st.	Paint manfr.
Jan. 28, 1873.	7	Julian A. Sweet.	Clerk.	44	137 State st.	Roll coverer.
Apr. 24, 1882.	6	Edward M. Durfee	Hoseman.	48	488 Acushnet av.	Carriage smith.
May 31, 1880.	14	Chas. A. Wilson	"	36	95 Walden st.	Carpenter.
Dec. 29, 1882.	19	John Whitehead.	"	48	580 Purchase st.	Frame maker.
Aug. 31, 1885.	10	Wm. O. Brightman	"	40	83 Austin st.	Paint manfr.
Apr. 29, 1889.	18	Roland A. Hatch.	"	25	49 Bowditch st.	Driver.
July 28, 1890.	16	Chas. H. Thomas.	"	36	87 Locust st.	Roll coverer.
June 30, 1892.	9	Robt. Woolfenden	"	27	401 Pleasant st.	Barber.
May 5, 1890.	15	Oscar S. Hammond	"	24	70 North st.	Carpenter.
Sept. 1, 1885.	13	John T. Aghen.	Substitute.	29	8 Willis st.	Clerk.
Apr. 29, 1889.	12	Albert D. Milliken	"	22	165 Middle st.	Cotton worker.
April 1, 1874.	22	Harris N. Tinkham	Engineer.	36	Engine house.	Engineer.
Apr. 28, 1892.	20	Wm. R. Moore.	Stoker.	29	Pope & Chestnut	Machinist.
Dec. 30, 1871.	21	James L. Bryant.	Driver.	54	Engine house.	Driver.
Aug. 1, 1892.	23	Squire A. Gifford.	Reel driver.	33	Engine house.	Driver.

PROGRESS STEAM FIRE ENGINE COMPANY, No. 2.

House, corner of Purchase street and Mechanics lane. Engine built by the Amoskeag Manufacturing Co., Manchester, N. H., capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 lbs.; weight of hose carriage, with 1,050 feet Boyd's cotton hose, 2,850 lbs.; put in commission November 6, 1884. Company organized October 27, 1860.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Nov. 1, 1862.	25	John Downey.	Captain.	55	118 No. Second st.	Teamer.
Sept. 7, 1874.	32	Chas. F. Dean.	1st Lieut.	35	35 Elm st.	Carriage painter.
Jan. 12, 1892.	28	Henry A. Sherman	2d Lieut.	36	63 Kempton st.	Carriage painter.
Aug. 7, 1874.	27	James D. Allen.	Clerk.	56	202 Purchase st.	Clerk.
Jan. 1, 1872.	29	James G. Harding.	Hoseman.	57	62 State st.	Carpenter.
June 6, 1874.	26	E. R. Leverett.	"	39	188 Middle st.	Clerk.
July 3, 1876.	34	Moses Dean.	"	38	202 Purchase st.	Blacksmith.
May 5, 1884.	36	Sam'l W. Mitchell.	"	34	155 Purchase st.	Clerk.
May 5, 1884.	35	Wm. K. Wagner.	"	35	208 Pleasant st.	Manager Telep'ne Co.
Jan. 21, 1886.	37	E. K. Pierce.	"	30	19 Mill st.	Shoemaker.
Oct. 6, 1890.	33	Alex. J. Aiken.	"	30	116 N. Second st.	Painter.
Dec. 1, 1890.	24	Joseph L. Crowley	"	23	Corner Elm and Water sts.	Plumber.
Jan. 12, 1892.	30	Geo. W. Haskins.	Substitute.	24	236 Kempton st.	Hostler.
Sept. 1, 1892.	129	E. E. Spooner.	"	18	116 Middle st.	Meat Cutter.
Apr. 23, 1892.	38	Benjamin Groves.	Engineer.	37	146 Union st.	Engineer.
Aug. 20, 1874.	40	Lamuel W. Hayes.	Stoker.	49	23 North st.	Wood turner
May 1, 1871.	39	Wm. P. Sowle.	Driver.	59	303 Acushnet av.	Hostler.
July 16, 1876.	41	Michael Conway.	Reel driver	54	8 Walnut st.	Hostler.

CORNELIUS HOWLAND STEAM FIRE ENGINE COMPANY, No. 4.

House, corner Sixth and Bedford streets. Engine built by the Amoskeag Manufacturing Co., Manchester, N. H.; capacity, 500 gallons per minute; weight of engine, as drawn to fires, 7,000 lbs.; weight of hose carriage, with 1,050 feet Boyd's cotton hose, 2,850 lbs.,; put into service, May 20, 1884. Company organized, February 1, 1867.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Aug. 31, 1885.	42	James J. Donaghy	Captain.	28	91 Washington st.	Laundryman.
Dec. 6, 1877.	47	C. H. Card.	1st Lieut.	45	73 Forest st.	Lineman.
July 26, 1886.	43	Wm. E. Watson, Jr.	2d Lieut.	29	37 Fifth st.	Clerk.
Mar. 29, 1868.	50	Wm. A. Gibbs.	Clerk.	42	181 Fourth st.	Cabinet Maker.
Jan. 29, 1867.	46	James M. Tripp.	Hoseman.	57	211 Acushnet av.	Carpenter.
Nov. 10, 1879.	53	Benj. F. Hinckley.	"	35	22 Madison st.	Printer.
Sept. 29, 1872.	44	Chas. S. Wing.	"	38	199 So. Second st.	Clerk.
Feb. 16, 1888.	49	Frank C. Jennings.	"	26	19 Allen st.	Clerk.
Mar. 25, 1889.	45	Leander Reed.	"	44	3 Bay st.	Machinist.
Aug. 28, 1882.	52	Samuel Watson, 2d	"	34	173 Fourth st.	Clerk.
May 26, 1890.	51	Edwin F. Tripp.	"	23	350 County st.	Expressman.
Oct. 26, 1891.	48	Wm. N. Jewett.	"	26	70 School st.	Clerk.
Sept. 1, 1892.	54	Wm. C. Hiscox.	Substitute.	28	45 Bedford st.	Britannia worker.
Sept. 26, 1892.	55	John P. Kennedy.	"	23	100 Bedford st.	Clerk.
Apr. 29, 1878.	56	Alonzo V. Jason.	Engineer.	38	Engine house.	Engineer.
Jan. 27, 1873.	58	John H. Backus.	Stoker.	41	7 West Rivet.	Blacksmith.
Jan. 29, 1867.	57	Geo. H. W. Tripp.	Driver.	57	Engine house.	Hostler.
April 1, 1889.	59	Wm. C. Kennedy.	Reel driver	26	Engine house.	Hostler.

ZACHARIAH HILLMAN STEAM FIRE ENGINE COMPANY, No. 5.

House, corner County and Hillman streets. Engine built by Messrs. Clapp & Jones, Hudson, N. Y.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,250 lbs.; weight of hose carriage, with 1,050 feet "Boyd's cotton hose, 2,850 lbs.; put into service, December 13, 1873. Company organized, December 13, 1873.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
May 5, 1884.	67	George H. Cook.	Captain.	31	14 Spruce st.	Clerk.
Dec. 31, 1888.	70	Thos. H. Forbes.	1st Lieut.	31	121 Cedar st.	Shoemaker.
Sept. 30, 1889.	71	Obed S. Cowing.	2d Lieut.	29	187 North st.	Carpet upholsterer.
Oct. 1, 1885.	63	Joseph C. Forbes.	Clerk.	26	201 Cedar st.	Shoemaker.
Dec. 13, 1873.	62	Isaiah H. Wilcox.	Hoseman.	57	506 Acushnet av.	Painter.
May 1, 1876.	64	Geo. H. Chadwick.	"	58	354 Kempton st.	Painter.
Sept. 30, 1890.	68	Thomas N. Meyers	"	30	205 Summer st.	Frame maker.
Feb. 9, 1891.	60	Geo. E. Macomber	"	39	120 High st.	Shoemaker.
June 7, 1888.	72	Henry K. Jones.	"	24	329 Cottage st.	Machinist.
Dec. 28, 1891.	73	Ernest L. Soule.	"	29	125 Maxfield st.	Sash maker.
Apr. 25, 1892.	69	Wm. R. Shaw.	"	22	443 Cottage st.	Painter.
Dec. 28, 1891.	65	Geo. H. Nickerson.	"	24	342 Cottage st.	Shoemaker.
Apr. 26, 1892.	66	Charles F. Smith.	Substitute.	36	342 Cottage st.	Wood worker.
Nov. 14, 1892.	61	Geo. B. Ferguson.	"	18	49 State st.	Shoemaker.
Dec. 13, 1873.	74	M. Blanchard, Jr.	Engineer.	48	Engine house.	Engineer.
Jan. 7, 1876.	75	Benj. F. King, Jr.	Driver.	51	Engine house.	Hostler.
May 1, 1882.	76	Chas. W. Jones.	Stoker.	38	329 Cottage st.	Wood turner
Jan. 29, 1883.	77	Martin S. Nelson.	Reel driver	35	Engine house.	Hostler.

FREDERICK MACY STEAM FIRE ENGINE COMPANY, No. 6.

House on Fourth street, head of Potomska street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,100 lbs.; weight of hose carriage, with 1,050 feet Boyd's cotton hose, 2,850 lbs.; put into service, November 1, 1882. Company organized, October 31, 1882.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Oct. 26, 1886.	130	Edward W. O'Neil	Captain.	31	30 Thompson st.	Glasscutter.
Oct. 31, 1882.	132	Jason L. Ballou.	1st Lieut.	47	37 Crapo st.	Carpenter.
Oct. 31, 1882.	135	Fred'k S. Nelson.	2d Lieut.	26	142 Washington st.	Mason.
Oct. 31, 1882.	122	Herb't B. Gardner	Clerk.	46	114 Washington st.	Compositor.
May 8, 1884.	126	Robert N. Allen.	Hoseman.	48	79 Rockland st.	Painter.
Oct. 31, 1882.	127	Thomas Wood.	"	46	34 Bonney st.	Photographer.
Oct. 31, 1882.	125	Marshall S.Greene	"	38	Rivet st., near Crapo.	Mason.
Mar. 27, 1883.	128	Joseph Jackson.	"	37	59 Allen st.	Barber.
Oct. 31, 1882.	133	Charles K. Wood.	"	41	87 Acushnet av.	Passepartout maker.
Feb. 3, 1890.	131	Charles E. Allen.	"	24	Contemplated Hall st.	Painter.
Nov. 3, 1890.	124	James T. Galligan	"	26	Cor. Fourth and Potomska sts.	Clerk.
June 30, 1891.	123	John F. Rogers.	"	24	86 Grinnell st.	Britannia worker.
May 31, 1892.	138	Michael Stapleton	Substitute.	33	679 South Water st.	Clerk.
Dec. 15, 1892.	121	Charles E. Greene	"	19	204 County st.	Britannia worker.
Oct. 31, 1882.	137	Charles G. Taber.	Engineer.	44	224 County st.	Engineer.
Nov. 24, 1885.	142	Henry M. Mosher.	Stoker.	44	205 County st.	Press worker.
Oct. 31, 1882.	134	FrankA. C. Greene	Driver.	27	87 Acushnet av.	Driver.
Oct. 31, 1882.	136	N.Herbert Greene.	Reel driver	36	259 Fourth st.	Driver.

STEAM FIRE ENGINE COMPANY No. 7.

House on Durfee street. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,000 lbs. Put into service, September 1, 1890. Company organized, September 1, 1890.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 1, 1890.	195	Samuel C. France.	Captain.	33	152 Mt. Pleasant street.	Salesman.
"	196	James Slater.	1st Lieut.	41	680 Purchase st.	Merchant.
"	197	Stephen C. Lowe.	2d Lieut.	35	39 Sycamore st.	Merchant.
"	198	Thomas Mack.	Clerk.	30	248 Cedar st.	Clerk.
"	204	E. H. Booth.	Hoseman.	42	35 Durfee st.	Car inspector.
"	206	J. H. Ryan.	"	34	563 Cottage st.	Plumber.
"	205	M. C. Dahill.	"	32	70 Linden st.	Shoemaker.
"	210	Wm. Simister.	"	26	413 Cedar st.	Clerk.
"	209	C. A. Galligan.	"	25	567 Cottage st.	Merchant.
"	207	J. D. Manseau.	"	27	2 Collins st.	Clerk.
"	203	Geo. A. Bosworth.	"	29	9 Richmond st.	Carpenter.
"	208	James McDonnell.	"	24	130 Austin st.	Merchant.
"	212	J. M. Whittaker.	Substitute.	28	342 Cedar st.	Driver.
Nov. 1, 1890.	211	C. L. Dunham.	"	26	77 Willis st.	Merchant.
Sept. 1, 1890.	199	Jas. R. Goddard.	Engineer.	35	59 Mt. Pleasant street.	Engineer.
"	202	A. W. Tripp.	Stoker.	40	Durfee and Ashland sts.	Shoemaker.
"	200	Wm. H. King.	Driver.	29	53 Mt. Pleasant street.	Driver.
"	201	E. H. Coggeshall.	Reel driver.	22	126 Mt. Pleasant street.	Driver.

HANCOCK ENGINE COMPANY, No. 9.

House located at Acushnet. Engine built by John Agnew, of Philadelphia, in 1843. Engine removed to Acushnet, Jan. 18, 1861, and a company was organized to man her at that time. Company reorganized, Dec. 14, 1878.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 14, 1878.	146	John A. Russell.	Captain.	42	Acushnet av.	Farmer.
May 7, 1883.	147	F. P. Washburn.	1st Lieut.	49	"	Carpenter.
Dec. 14, 1878.	154	Joseph W. Spooner	2d Lieut.	40	"	Teamster.
"	165	Allen Russell, Jr.	Clerk.	35	"	Grocer.
May 1, 1882.	159	Israel H. Peckham	Suction Hoseman.	50	Tarkiln Hill road	Blacksmith.
Dec. 14, 1878.	158	L. A. Washburn.	"	54	Acushnet av.	Teamster.
"	153	Wm. T. Gifford.	Leading Hoseman.	46	Mill road.	Farmer.
"	160	Herb't M. Spooner	"	33	Main street.	Box maker.
Sept. 3, 1883.	151	John G. Whalon.	"	31	"	Box maker.
Dec. 14, 1878.	166	Eli W. Reed.	"	54	Tarkiln Hill road	Teamster.
May 3, 1886.	155	George H. Gifford.	Steward.	21	Acushnet av.	Box maker.
Jan. 7, 1889.	163	Nathan C. Briggs.	Brakeman.	58	"	Carpenter.
Feb. 4, 1889.	161	Wm. P. Reed.	"	39	Tarkiln Hill road	Laborer.
Dec. 14, 1878.	149	John Silva.	"	53	Belleville road.	Shoemaker.
Nov. 1, 1886.	150	Job T. Haskins.	"	46	Mill road.	Box maker.
Dec. 14, 1878.	148	A. B. Grinnell, Jr.	"	53	Acushnet av.	Grocer.
"	152	James A. Wilbur.	"	47	Mill road.	Box maker.
Dec. 4, 1882.	164	Geo. W. Hawes.	"	39	Acushnet av.	Teamster.
Dec. 6, 1886.	145	John F. Parker.	"	23	"	Carriage painter.
Jan. 4, 1888.	162	John G. Dawson.	"	28	Tarkiln Hill road	Clerk.
May 7, 1888.	156	John B. Wilbur.	"	21	Mill road.	Plumber.
May 31, 1892.	157	Walter H. Darling	"	27	Main street.	Box maker.
May 4, 1891.		Frank C. Bennett.	Substitute.	18	Howard avenue.	Mason.
"		George J. Allen.	"	18	Main street.	Plumber.

HOOK AND LADDER COMPANY No. 1.

House, corner of Purchase street and Mechanics lane. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission, November 1, 1891.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Jan. 27, 1890.	104	Philip C. Russell.	Captain.	30	4 Walnut st.	Clerk.
Sept. 26, 1887.	100	Loren N. Mosher.	1st Lieut.	35	30 Elm st.	Shoemaker.
Jan. 5, 1884.	101	Frank Spooner.	2d Lieut.	36	50 Hillman st.	Painter.
Mar. 30, 1874.	89	Chas. E. Pierce.	Clerk.	45	117 Willis st.	Printer.
Aug. 1, 1879.	96	Nath'l H. Caswell.	Ladderm'n	45	Acushnet avenue.	Blacksmith.
Jan. 31, 1870.	87	LysanderW. Davis	"	58	106 Chestnut st.	Carpenter.
June 24, 1883.	105	Edward D.Francis	"	37	26 Kempton st.	Shoemaker.
June 24, 1889.	91	Wm. L. Fletcher.	Axeman.	27	129 Kempton st.	Machinist.
Nov. 29, 1886.	103	Alfred M. Gifford.	Ladderm'n	29	72 Walden st.	Teamster.
Aug. 5, 1865.	102	Chas. J. Johnson.	"	59	23 Locust st.	Spar maker.
Jan. 26, 1891.	88	Chas. P. Johnson.	"	34	72 First st.	Mechanic.
Oct. 26, 1863.	90	AbramR.Luscomb	"	54	42 Parker st.	Laborer.
June 24, 1889.	107	Wm. R. Russell.	Axeman.	25	4 Walnut st.	Ornamenter.
Aug. 7, 1863.	86	Philip M. Tripp.	Ladderm'n	53	102 Ash st.	Teamster.
July 26, 1880.	92	Clarfus Vansant.	"	55	Cor. Mill st. and Acushnet av.	Blacksmith.
May 26, 1890.	106	Wm. W. Braman.	Substitute.	23	High st.	Clerk.
July 25, 1890.	98	Geo. A. Caswell.	"	22	Acushnet av.	Clerk.
Sept. 1, 1888.	93	George S. Allen.	Driver.	32	303 Acushnet av.	Hostler.
Sept. 13, 1888.	97	Chas. W. Vining.	Tillerman.	35	Bethel st.	

HOOK AND LADDER COMPANY No. 2.

House on Weld street. Carriage built by Joseph T. Ryan of Boston; put into commission, August 4, 1877. Present company organized, September, 1888.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Sept. 1, 1888.	171	Henry W. Kenyon.	Captain.	50	910 Acushnet av.	Overseer.
"	172	Edward F. Dahill.	1st Lieut.	30	Austin st., west of County.	Merchant.
"	175	MartinH. Sullivan.	2d Lieut.	35	1017 Purchase st.	Carpenter.
"	180	Peter F. Sullivan.	Clerk.	32	New County st.	Grocer.
"	176	John W. Bannister	Ladderm'n	31	Purchase st.	Salesman.
"	177	John S.Harrington	Axeman.	33	Weld and Pleasant sts.	Baker.
"	178	David Warren.	"	36	235 State st.	Stablekeeper
"	179	Wm. McCann.	Ladderm'n	32	Howard st.	Salesman.
"	183	J. T. Haggerty.	"	24	Reynolds st.	Livery.
May 1, 1890.	184	Frank R. Pease.	"	35	926 Acushnet av.	Druggist.
Mar. 1, 1892.	173	William Sellicks.	"	25	No. Front st.	Teamster.
Apr. 1, 1892.	181	Fred'k J.Braley.	"	29	605 Purchase st.	Grocer.
Sept. 1, 1892.	174	Chas. H. McCarthy	Substitute.	23	Cor. State and Penniman sts.	Baker.
"	182	L. Henry Leinhart	"	20	Cotter and Coggeshall sts.	Clerk.
Sept. 1, 1888.	108	Lewis G. Allen.	Driver.	70	Engine house.	Hostler.

HOOK AND LADDER COMPANY No. 3.

House on Fourth street, head of Potomska. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission, August 30, 1888. Present company organized, November 1, 1891.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Nov. 1, 1891.	217	E. Edward Enos,	Captain.	29	831 So. Water st.	Druggist.
"	218	John O'Neil.	1st Lieut.	28	30 Thompson st.	Glasscutter.
"	219	Daniel E. Nelson.	2d Lieut.	28	200 So. Second st.	Mason.
"	220	John J. Meaney.	Clerk.	23	6 West French av.	Contractor.
"	221	Henry Chase.	Ladderm'n	28	Grinnell st.	Painter.
"	222	Henry R. Lindsey.	Axeman.	30	221 County st.	Carpenter.
"	223	Robert W. Cooke.	Ladderm'n	24	289 Fourth st.	Clerk.
"	224	James R. Gifford.	Axeman.	30	25 Bonney st.	Electrician.
Feb. 1, 1892.	225	S. J. Cassidy, Jr.	Ladderm'n	25	69 South st.	Painter.
Nov. 1, 1891.	226	Charles B. Church.	"	22	256 Fourth st.	Fish dealer.
"	228	H. D. Ricketson.	"	26	92 Grinnell st.	Spoon maker
"	229	George H. Baylies.	"	21	273 Fourth st.	Glass decorator.
May 12, 1892.	227	Martin Bowman.	Substitute.	26	526 So. Water st.	Painter.
Dec. 5, 1892.	230	E. F. McCarty.	"	24	125 So. Second st.	Blacksmith.
Nov. 1, 1891.	231	H. J. Marshall.	Tillerman.	28	Engine house.	
Aug. 1, 1892.	232	John J. Donaghy.	Driver.	26	Engine house.	Hostler.

HOSE COMPANY No. 1.

House, corner of Purchase street and Mechanics lane. Wagon built by Brownell, Ashley & Co., New Bedford; put into commission, December 1, 1888. Company organized, December 31, 1871.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 1, 1889.	79	David W. Howland	Captain.	56	219 Kempton st.	Blacksmith.
"	83	John W. Baker.	1st Lieut.	31	46 Hill st.	Carpenter.
Oct. 28, 1889.	80	William H. Young.	2d Lieut.	32	129 Purchase st.	Glass worker
Dec. 1, 1889.	81	Jas. S. Hathaway.	Clerk.	62	496 Acushnet av.	Shipwright.
"	82	Chas. T. Maxfield.	Hoseman.	29	49 Mechanics lane.	Printer.
"	78	Aug. G. Mitchell.	"	36	134 No. Second st.	Salesman.
"	85	John B. Oliver.	"	28	263 Cottage st.	Blacksmith.
Nov. 2, 1892.	167	Arthur T. Maxfield	Substitute.	22	49 Mechanic lane.	Shoemaker.
Apr. 25, 1892.	84	Charles W. Allen.	Driver.	36	84 High st.	Hostler.

HOSE COMPANY No. 2.

House on Weld street. Carriage built by the Amoskeag Manufacturing Co., Manchester, N. H.; weight of carriage and 900 feet of vulcanized rubber hose, 2,790 lbs.; put into service, January 1, 1872. Present company organized, December 3, 1888.

Date of Joining.	No. of Badge	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 31, 1888.	186	Joseph Dawson.	Captain.	32	643 Purchase st.	Salesman.
"	187	Mark Watson.	1st Lieut.	33	990 Purchase st.	"
"	188	Stephen L. Finnell	2d Lieut.	33	17 Reynolds st.	"
"	192	George C. Hewins.	Clerk.	21	762 County st.	Engineer.
"	189	Barthol. P. Fury.	Hoseman.	28	15 Linden st.	Salesman.
"	190	Frank E. Foley.	"	25	State st.	Merchant.
April 16, 1889.	191	Wm. Wolfenden.	"	23	399 Pleasant st.	Barber.
Aug. 19, 1890.	193	Harry Greenhalgh	Substitute.	26	Cedar st.	Grocer.
Dec. 3, 1888.	194	Reuben Taber.	Driver.	37	32 Bowditch st.	Hostler.

NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley; First Director, Jonathan Handy; Second Director, William A. Robinson; Third Director, Charles H. Lawton; Fourth Director, Edward T. Pierce; Fifth Director, Charles M. Haskell; Sixth Director, Edmund F. Maxfield; Seventh Director, Edmund Wood; Eighth Director, John H. Lowe; Secretary and Treasurer, Edmond L. Wilde.

Francis T. Akin,
Gilbert Allen,
Gideon Allen, Jr.,
George H. H. Allen,
James H. Bamford,
William Bamford,
O. Frank Bly,
Standish Bourne,
George E. Briggs,
Thomas Boardman,
Charles A. Case,
R. C. P. Coggeshall,
Clifton H. Cornish,
Edwin Dews,
Henry C. Denison,
Ernest A. Dunham,
Joseph Dias,
John Eldridge, Jr.,
Walter F. Field,
Edward R. Gardner,
John E. Gibbs,
Frank H. Gifford,
Charles H. Gifford,
A. W. Hadley,
Charles H. Holden,
John J. Howland,
Charles M. Hussey,
Henry F. Hammond,
Henry Howard,
Thomas H. Knowles,
G. D. Kingman,
Edgar R. Lewis,
Philander F. Manchester,
Willard Nye, Jr.,
Otis N. Pierce,
William F. Potter,
James N. Parker,
William H. Pitman,
Charles L. Paine,
Stephen D. Peirce,
George A. Phillips,
William F. Reed,
Morgan Rotch,
William A. Russell,
Arthur E. Robbins,
Louis H. Richardson,
Gardner T. Sanford,
Frank E. Sawin,
Henry H. Stanton,
R. W. Swift,
Frederick Swift,
William T. Smith,
Leander H. Swift,
S. Edward Shaw,
Robert Snow,
Charles M. Taber,
William T. Taylor,
Henry W. Taylor,
Alfred Thornton,
Alfred G. Wilbor,
William H. Willis,
Horace Wood,
Frederick A. Washburn,
Thomas F. Wood,
William R. West,
Mark T. Vincent.

Fire Alarms, Losses, and Insurance, for 1892.

The loss by fire for the year 1892 was $73,947.46. Amount of insurance, $271,710. Number of bell alarms, 61. Still and telephone alarms, 84. Total alarms, 145.

January 1, 2.25 A. M. Box 48. Fire in blacksmith shop on South Water street, near Griffin, owned by Lloyd Pierce and occupied by H. O. Firme. Cause unknown. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, $150; insurance, $300. Loss on contents, $750; insurance, $750.

Jan. 5, 5.05 P. M. Box 9. Fire in building on Purchase street, head of Wamsutta street, owned by Wamsutta Mills Company and occupied as a bakery and confectionery store by David Sharples. Cause, falling of a lighted lamp. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

Jan. 7, 7.45 P. M. (Still.) Fire in stable head of Seventh street, owned and occupied by George York. Cause unknown. Extinguished by men from No. 4 engine house. No loss.

Jan. 11. (Telephone.) Fire in Seamen's Bethel, on Bethel street. Cause, hot furnace pipes. Extinguished by men from Central engine house. No loss.

Jan. 12. (Telephone.) Chimney fire in dwelling house 235 Middle street, occupied by Yorick Ames. Extinguished by men from No. 5 engine house. No loss.

Jan. 12, 7 P. M. (Telephone.) Fire in grocery store corner of Fourth and Thompson streets, occupied by Hanson Brothers. Cause, set by boys. Extinguished by men from No. 6 engine house. No loss.

Jan. 15, 2.30 A. M. Box 27. Fire in premises 60, 62, 64, and 66 Purchase street. Drug store owned by T. B. Wilcox and occupied by J. D. Roberts and others, and dry goods store owned by heirs of William H. Vinal and occupied by Moore & Diman and others. Cause unknown. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. Loss on building, $801; insurance on building, $1,800. Loss on contents, $4,860.23; insurance on contents, $11,000.

Jan. 18. (Telephone.) Chimney fire in dwelling house corner of County and Robeson streets, owned and occupied by Mrs. William F. Drown. Extinguished by men from No. 7 engine house. No loss.

Jan. 18. (Telephone.) Fire in dwelling house No. 604 County street, occupied by N. T. Fuller. Cause, children playing with fire. Extinguished by men from No. 5 engine house. No loss.

Jan. 19. (Telephone.) Smoke in store on Purchase street owned by Tilden Brothers and occupied by P. H. Smith. Responded to by men from Central engine house. No loss.

Jan. 26. (Telephone.) Chimney fire in dwelling house corner of Orchard and Hawthorn streets, owned and occupied by Edmund Grinnell. Extinguished by men from No. 4 engine house. No loss.

Jan. 27, 6 A. M. (Telephone.) Chimney fire in dwelling house on Rockdale avenue, owned and occupied by Mrs. Olive Wordell. Extinguished by men from No. 5 engine house. No loss.

Jan. 27, 11.05 P. M. Box 56. Fire in barn rear of 1013 South Water street. Owned and occupied by John Hutchinson. Cause unknown. Companies responding: Engines 4 and 6, Hose 1, Hook and Ladder 3. No loss.

Jan. 29, 11.45 P. M. Box 56. Fire in button factory on Rivet street, owned by Potomska Mills Company, and occupied by Hedge & Lewis. Cause, spontaneous. Companies responding: Engines 4 and 6, Hose 1, and Hook and Ladder 3. Loss on building, $82.83. Insurance on building, $1,000. Loss on contents, $134.06; insurance on contents, $3,500.

Jan. 30, 6 A. M. (Still.) Fire in dwelling house corner of Shawmut avenue and Durfee street, owned and occupied by B. H. Reed. Chimney fire. Extinguished by men from No. 7 engine house. No loss.

Feb. 2. (Telephone.) Fire in dwelling No. 124 State street, owned by Mr. Barber and occupied by N. B. Kerr. Cause, hot furnace pipe. Extinguished by men from Onward engine house. Loss on building, $175; insurance on building, $3,000. Loss on contents, $263.50; insurance on contents, $1,500.

Feb. 3, 3.50 A. M. (Still.) Chimney fire in house on Middle street. No loss.

Feb. 3, 5.20 P. M. Box 7. Fire in harness store in building corner of Purchase and Franklin streets, owned by heirs of James Groat, and occupied by Thomas F. Healy and others. Cause, falling of hanging lamp. Companies responding: Engines 1 and 7, and Hook and Ladder 2, and Hose 2. Loss on building, $298; insurance on building, $3,000. Loss on contents, $1,500; insurance on contents, $1,500.

Feb. 4, 1.45 A. M. Box 8. Fire in grocery store 170 Chestnut street, owned and occupied by Alexander A. Tripp, Jr. Cause, sparks from stove. Companies responding: Engines 5 and 7, Hook and Ladder 2, and Hose 2. Loss on building, $225; insurance on building, $300. Loss on contents, $999.59; insurance on contents, $1,200.

Feb. 4. (Still.) Fire in clothing store 41 Purchase street, belonging to the Tappan estate, and occupied by A. T. B. Gallup. Cause, defective furnace. Extinguished by men from Central engine house. Loss on building, $50; insurance on building, $10,000.

Feb. 4. 10.05 P. M. (Still.) Fire in paint shop 41 Middle street, occupied by William F. Sturtevant. No loss.

Feb. 6. (Telephone.) Chimney fire in house on Hawthorn street, owned and occupied by Charles W. Plummer. Extinguished by men from No. 4 engine house. No loss.

Feb. 6, 2 P. M. Box 48. Fire in dwelling No. 352 South First street, owned by Mike Reynolds and occupied by Joseph Macy and others. Cause unknown. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, $22.42; insurance on building, $1,800.

Feb. 10, 10.45 A. M. Box 45. Fire in dwelling corner of Borden and Allen streets, owned and occupied by Josiah Wood. Cause, overheated stove. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. No loss.

Feb. 10, 10 P. M. Box 23. Fire in dwelling on Court street, owned by Benjamin Sisson, and occupied by Joaquin Cardoza. Cause, carelessness. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. Loss on building, $100; insurance on building, $800.

Feb. 13. (Still.) Fire in Wamsutta blocks, owned by Wamsutta Mills Company. Cause, overalls hanging too near stove. Responded to by men from Weld street engine house. No loss.

Feb. 13. (Still.) Chimney fire in house on Arnold street, occupied by Frederick Smith. Extinguished by men from No. 4 engine house. No loss.

Feb. 16. (Telephone.) Chimney fire in house No. 380 County street, occupied by Miss Louise C. Howland. Extinguished by men from No. 4 engine house. No loss.

Feb. 16. (Still.) Caused by tar boiling over at the New Five Cents Savings Bank. Responded to by men from Central engine house. No loss.

Feb. 19, 9 P. M. Box 27. Fire in Parker House, owned and occupied by Holder M. Brownell. Cause, match dropped in rubbish. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1.

Feb. 19, 9.05 P. M. Box 27. Second alarm for same fire. Loss on building, $2,783.57; insurance on building, $5,000. Loss on contents, $1,107.75; insurance on contents, $8,000.

Feb. 20. Box 57. Fire in dwelling house on Division street, occupied by Michael Nunes. Cause unknown. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, $15; insurance on building, $1,000.

Feb. 21. (Still.) Fire in dwelling house corner of North and Pleasant streets, owned by heirs of Dr. P. S. Leaming, and occupied by Mrs. E. B. Leaming. Cause, curtains caught from gas jet. Extinguished by inmates of the house. Loss on contents, $77.77; insurance on contents, $2,000.

Feb. 28, 2 P. M. (Still.) Chimney fire in house 115 Hillman street, owned and occupied by Robert W. Bartlett. Extinguished by men from No. 5 engine house. No loss.

Feb. 29. (Still.) Chimney fire in house No. 96 Maxfield street, owned and occupied by Ellery Record. Extinguished by men from No. 5 engine house. No loss.

March 1, 2.30 A. M. Box 27. Chimney fire at house corner of Elm and Purchase streets, owned and occupied by Francis Hathaway. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. No loss.

March 2, 5 P. M. (Telephone.) Chimney fire in house corner of Eighth and Union streets, owned and occupied by Charles H. Briggs. Extinguished by men from Central engine house. No loss.

March 4, 3 A. M. (Telephone.) Caused by smoke in drug store corner of Middle and Purchase streets, owned by S. Folsom, and occupied by Charles H. Church and others. Responded to by men from Central engine house. No loss.

March 6. Box 46. Fire in New Bedford Iron Foundry, occupied by Edmund Grinnell. Cause, hot stove pipe. Companies responding: Engines 4 and 6, Hook and Ladder 1, and Hose 1. No loss.

March 7. (Telephone.) Fire in grocery store on Rivet street, occupied by D. Dufresne. Cause unknown. Extinguished by men from No. 6 engine house. Loss on building, $100; insurance on building, $300. Loss on contents, $225; insurance on contents, $400.

March 8. Box 4. Fire in hen house at Mt. Pleasant, owned and occupied by Mr. Turner. Companies responding: Engines 5 and 7, Hook and Ladder 2, and Hose 2. Loss on building, $50. No insurance.

March 10, 5.40 P. M. (Telephone.) Chimney fire in dwelling house No. 139 South First street, occupied by Antone Pamber. Responded to by men from No. 6 engine house. No loss.

March 13. (Telephone.) Fire in bushes corner of Rockland and Bonney streets. Responded to by men from No. 6 engine house. No loss.

March 14, 10.09 A. M. Fire in brick block corner of Taber's Wharf and North Front street, owned by Taber's Wharf Company and occupied by the Snark Club, F. S. Allen, Triumph Heat and Light Company, I. H. Bartlett & Sons, and Charles L. Kirby. Cause, overheated pipe. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. Loss on building, $379; insurance on building, $4,000. Loss on contents, $100; insurance on contents, $1,000.

March 14, 12 M. (Telephone.) Same fire as above broke out again. Extinguished by men from Central engine house.

March 16. (Still.) Fire in house corner of Second and Rivet streets, owned by Potomska Mills Company. Cause, pan of fat burning. Extinguished by permanent men of Hook and Ladder 3. No loss.

March 18. (Telephone.) Chimney fire in house corner of Anthony and Grove streets, owned and occupied by James Delano. Extinguished by men from No. 4 engine house. No loss.

March 19. (Still.) Fire in tailor shop on South Water street occupied by Costey Lisbon. Cause, overheated stove. Extinguished by men from No. 4 engine house. No loss.

March 21, 11.15 P. M. (Telephone.) Fire in hen house on Fruit street, owned by Thomas Harden. Extinguished by men from No. 4 engine house. No loss.

March 22. (Still.) Fire in drug store corner of Purchase and Linden streets, occupied by A. H. Covell. Responded to by men from Weld street engine house. No loss.

March 22, 11.50 A. M. (Telephone.) Fire in school house on Fourth street, owned and occupied by city of New Bedford. Cause, hot furnace pipe. Extinguished by men from No. 4 engine house. No loss.

March 31, 5.30 P. M. Box 28. Fire in house on Cedar street, near Court, occupied by George Smith. Cause, explosion of lamp. Companies responding: Engines 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

April 2. Box 27. Fire in brick storehouse on Second street, owned by George A. Bourne, and occupied by Standish Bourne. Cause, sparks from chimney. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. No loss.

April 2, 6 P. M. Box 85. Fire in shed on South Water street belonging to estate of J. Bourne, and occupied by Edward T. Besse. Companies responding: Engines 2, 4, and 6, Hose 1, and Hook and Ladder 3. Loss on building, $16.98; insurance on building, $7,500.

April 4. (Still.) Fire in ash barrel at Allen & Hunt's tailor shop. Responded to by men from Central engine house. No loss.

April 7, 5.30 P. M. Box 26. Fire in building on Middle street, occupied on the first floor as a paint shop by W. F. Sturtevant, and on the second floor as a dwelling by James Howland. Loss on building, $895; insurance on building, $2,000. Loss on contents, $1,865.30; insurance on contents, $2,525. Responded to by Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1.

April 8. Fire in woods near Nash road.

April 9. (Still.) Fire in dwelling house corner of William and Bethel streets. Responded to by men from Central engine house. No loss.

April 11, 7.40 A. M. Box 34. Fire in steamer City of Fitchburg, owned by the Old Colony Steamboat Company. Cause, spontaneous. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1.

April 11, 7.50 A. M. Box 34. Second alarm for same fire. Companies responding: Engines 5 and 6 and Hook and Ladder 3. Loss on boat, $12,000; insurance on boat, $50,000. Loss on freight, $8,000; insurance on freight, $35,000.

April 11, 6.48 A. M. Box 26. Fire in box factory No. 32 Middle street, owned and occupied by Coffin Brothers. Cause, sparks from chimney. Companies responding: Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1. No loss.

April 13, 11.30 A. M. Box 12. Bush fire on Shawmut avenue. Companies responding: Engines 5 and 7, Hook and Ladder 2, and Hose 2. No loss.

April 13, 6.30 P. M. Box 58. Fire in hen house on French avenue, owned by Charles E. Ellis. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. No loss. John P. Kelley, a member of Hook and Ladder 3, was run over by the truck and died soon after reaching his home.

April 15. (Telephone.) Chimney fire in house No. 84 State street, occupied by Mrs. Clara C. Russell. Responded to by men from No. 5 engine house. No loss.

April 18, 10.55 A. M. Box 26. Fire in frame factory on Front street, owned and occupied by Ullman Manufacturing Company. Cause, sparks from chimney. Companies responding: Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1. Loss on building, $28.12; insurance on building, $2,500. Loss on contents, $105.30; insurance on contents, $2,500.

April 19, 8.05 A. M. Box 24. Fire in building on Kempton street, near Cedar, owned by Edward Johnson and occupied on the first floor by E. R. Hathaway as a paint shop, and as a tenement on second floor by Thomas Silvia. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. Loss on building, $116.80; insurance on building, $600. Loss on contents, $495; insurance on contents, $500.

April 21. (Telephone.) Chimney fire at dwelling house on Hawthorn street, owned and occupied by Charles W. Plummer. Responded to by men from No. 4 engine house. No loss.

April 21. (Telephone.) Chimney fire in house owned and occupied by Robert C. P. Coggeshall. Responded to by men from No. 4 engine house. No loss.

April 25, 7.30 A. M. Box 23. Fire in dwelling house corner of Reed and Kempton streets, owned and occupied by Charles D. Armstead. Cause, sparks from chimney. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. No loss.

April 29, 9.30 P. M. Box 26. Fire in Parker's block, on Middle street, owned by John A. P. Allen and others, and occupied as a storage room by Charles A. Gray, Capt. William Lewis, and George S. Homer. Cause, incendiary. Companies responding: Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1. Loss on building, $498; insurance on building, $4,500. Loss on contents, $19,340.29; insurance on contents, $56,635.

April 30, 5.30 P. M. Box 34. Fire in blacksmith shop on Front street, owned and occupied by E. B. and F. Macy. Cause, sparks from chimney. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. No loss.

May 6, 7.15 A. M. (Still.) Fire in rear of F. E. Allen's marble works. Cause, incendiary. Extinguished by police. No loss.

May 6, 10 P. M. (Still.) Fire in shed in rear of E. Dews' shop, on Union street. Cause, incendiary. Extinguished by men from Central engine house. No loss.

May 10, 12.30 P. M. (Still.) Fire in River View park. Set by boys. Extinguished by men from Weld street engine house. No loss.

May 14, 7.30 A. M. Box 56. Fire in dwelling house No. 40 South First street, owned by Joseph B. Smith and occupied by James Connelly. Cause, lamp set on floor near clothing. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. No loss.

May 14, 9.45 A. M. Box 25. Fire in dwelling house No. 494 County street, owned and occupied by Wendell H. Cobb. Cause, explosion of naphtha. Companies responding: Engines 2 and 5, Hook and Ladder 1, and Hose 1. Loss on building, $700; insurance on building, $3,000. Loss on contents, $2,474.55; insurance on contents, $5,000.

May 14, 5.40 P. M. Box 21. Fire in planing mill on North Water street, owned and occupied by Abner W. Allen. Cause, sparks from chimney. Companies responding: Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1. No loss.

May 14, 6.30 P. M. (Still.) Fire in dwelling house corner Second and Howland streets. Cause, green wood in oven to dry. Extinguished by men from No. 4 engine house. No loss.

May 14, 10 P. M. (Still.) Fire in rear of Tilden Brothers' store, on North Second street. Cause, incendiary. Extinguished by men from Central engine house. No loss.

May 14, 10.30 P. M. (Still.) Fire in ice houses at Plainville, owned and occupied by Allen Smith, Jr. Cause unknown. Loss on building, $981.90; insurance on building, $1,000. Loss on contents, $168; insurance on contents, $200.

May 14, 11.30 P. M. (Still.) Fire in rear of Kern & Wright's paint shop, on Water street. Cause, incendiary. Extinguished by men from Central engine house. Loss on building, $11.25; insurance on building, $1,200.

May 16, 9.10 P. M. (Telephone.) Fire in building corner of Plainville road and Shawmut avenue, owned and occupied by A. E. Mayhew, as a store on the first floor and tenement above. Cause, overheated stove. Responded to by men from No. 7 engine house. Loss on building, $1,800; insurance on building, $1,800. Loss on contents, $1,370; insurance on contents, $1,400.

May 19, noon. (Telephone.) Chimney fire in dwelling house on Clinton street, owned and occupied by Charles N. Hussey. Extinguished by men from Central engine house. No loss.

May 23, 6.30 P. M. Box 24. Fire in dwelling house No. 304 Middle street, occupied by Mary B. Jones. Cause, clothing caught fire from stove. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. No loss. At this fire Mrs. Mary B. Jones was burned so that she died in a short time.

May 23, 10 P. M. Fire in house corner of Elm and Sixth streets, belonging to Whitcomb estate, and occupied by Mrs. Luce. Caused by sparks in a basket of clothes. Responded to by men from Central engine house. No loss.

June 5. (Telephone.) Fire on Belleville road. Cause, hot pipe in coat pocket. Responded to by men from No. 9 engine house. No loss.

June 5. (Still.) Fire in house No. 95 Prospect street, occupied by John Smith. Cause, child playing with matches. No loss. At this fire a child of John Smith was badly burned.

June 12. (Still.) Fire in house on Purchase street owned and occupied by Mrs. George Dehn. Cause, chimney fire. Extinguished by men from No. 1 engine house. No loss.

June 13. (Still.) Chimney fire in house No. 22 Madison street, occupied by Benjamin F. Hinckley. Extinguished by men from No. 4 engine house. No loss.

June 15. Fire in store corner of Purchase and Mill streets, owned by Mrs. Dr. Webster, and occupied by Ellen Andrews. Cause, explosion of lamp. No loss.

June 15. Box 126. Fire in dwelling house on Coggeshall street, owned by John Whitehead. Cause, sparks in clothes basket. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. Loss on contents, $15; insurance on contents, $1,800.

June 15, 7.50 P. M. Box 125. Fire in store on Purchase street occupied by George Levy. Cause, explosion of lamp. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

June 16, 7.10 P. M. Box 21. Fire in foundry rear of North Water street, occupied by Augustus Swift. Cause, sparks from chimney. Companies responding: Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1.

June 17, 2 P. M. Box 6. Fire in dwelling house on Hazard street, owned by Joseph Greenwood, and occupied by Joseph Greenwood and others. Cause, rats and matches. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. Loss on contents, $27; insurance on contents, $1,000.

June 21, 10.30 A. M. Box 125. Fire in dwelling house on Acushnet avenue, owned and occupied by Thomas Pope, Jr. Cause, sparks from chimney. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. Loss on building, $75; insurance on building, $1,500.

July 4, 4.45 P. M. (Still.) Fire in dwelling house No. 76 Hillman street, owned and occupied by Mrs. N. Purrington. Cause, fireworks. Responded to by men from No. 5 engine house. No loss.

July 4, 8.53 P. M. Box 34. Fire in block shop on Front street, occupied by W. D. Swan. Cause, fireworks. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. No loss.

July 11, 7.20 A. M. (Still.) Chimney fire in dwelling house No. 19 Shawmut avenue, owned and occupied by George L. Bowman. Extinguished by men from No. 5 engine house. No loss.

July 15. Box 24. Fire in dwelling house No. 209 Chancery street, occupied by William B. Westgate. Cause, explosion of oil stove. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. No loss. At this fire Mrs. Westgate was burned so badly that she died in a few hours.

July 19, 11.30 A. M. (Still.) Fire in dwelling house No. 125 Maxfield street, owned by J. P. Knowles, and occupied by E. L. Soule. Cause, explosion of oil stove. Extinguished by men from No. 5 engine house. No loss.

July 24, 7 P. M. (Still.) Fire in dwelling house No. 145 Hillman street, owned and occupied by A. H. W. Carpenter. Cause, rags in hot coal hod. Extinguished by men from No. 5 engine house. No loss.

July 26. (Still.) Fire in unoccupied house on Spring street, west of First street. Cause, set by boys. Extinguished by men from Central engine house. No loss.

July 30. (Still.) Fire on the New Bedford and Fairhaven bridge. Extinguished by men from Central engine house.

August 5, 10.30 A. M. Box 23. Fire in dwelling house on Mill street, owned and occupied by Mrs. Nancy W. Ogden. Cause, lightning. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. No loss.

August 5, 1 P. M. Box 125. Fire in dwelling house on Brown street, occupied by a Portuguese family. Cause, children lighting fire in a stove. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

August 10, 9.20 P. M. Box 74. Fire in Acushnet Mills, owned and occupied by Acushnet Mills Co. Companies responding: Engines 2, 4, 5, and 6, Hook and Ladder 1 and 3, and Hose 1. Loss on building, $2,000.

August 11, 11.35 A. M. Box 125. Fire in dwelling house No. 288 Cedar Grove street, occupied by William Bonin, Theodore Leveeque, and Louis Dupois. Cause, explosion of oil stove. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2. Loss on building, $1,220; insurance on building, $2,000. Loss on contents, $400; no insurance. At this fire two children of Louis Dupois and Mrs. Leveeque were burned to death and Mrs. L. Dupois was badly burned.

August 19, 1 A. M. (Still.) Fire in house on Hicks street, occupied by Mrs. Frazier. Cause, upsetting of lamp. No loss. At this fire, Mrs. Frazier was burned so badly that she died.

August 22. (Still.) Fire on New Bedford and Fairhaven bridge. Cause, lighted cigar stump. Extinguished by men from Central engine house.

August 25, 7.30 A. M. Box 23. Fire in dwelling house No. 11 Florence street, owned and occupied by F. L. Sowle. Cause, unknown. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. Loss on building, $925. Insurance on building, $3,000. Loss on contents, $187. Insurance on contents, $1,200.

Sept. 3. Box 28. Fire in dwelling No. 5 Tremont street, occupied by Albert L. Cox. Cause, explosion of lamp. Companies responding: Engines 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

Sept. 3. (Still.) Chimney fire in house corner of Arnold and Cottage streets, owned and occupied by B. H. Waite. Extinguished by men from Central engine house. No loss.

Sept. 13, 7 A. M. (Still.) Fire in dwelling No. 201 Pleasant street, owned and occupied by Charles Marshall. Cause, smoke from stove. Responded to by men from No. 5 engine house. No loss.

Sept. 19, 5 P. M. Box 32. Fire in Opera House, on Union street. Cause, sparks from chimney. Companies responding: Engines 2 and 4, Hook and Ladder 1, and Hose 1. Loss on building, $460. Insurance on building, $15,000.

Sept. 22, 12.55 P. M. Fire in building on Fish island, owned by heirs of Abram H. Howland, and occupied by J. Miller Cranston, Peter Black, David Duff & Son, and Willard Nye. Cause, petroleum oil stove. Companies responding: Engines 1, 2, 5, Hook and Ladder 1, and Hose 1. Loss on building, $1,500; insurance on building, $1,500. Loss on contents, $650. Insurance on contents, $700.

Sept. 30, 3.30 P. M. Boxes 14 and 17. Fire in some railroad ties rear of Acushnet avenue, owned by the Old Colony Railroad Company. Caused by boys smoking. Companies responding: Engines 1, 2, and 5, Hook and Ladder 1, and Hose 1. Loss $30. No insurance.

Oct. 6. (Still.) Chimney fire in house corner of School and Fifth streets, owned and occupied by Edward S. Brown. Extinguished by men from Central engine house. No loss.

Oct. 13, 12.10 P. M. Box 24. Fire in house No. 152 North street, occupied by William Connelly. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. No loss. At this fire Mrs. Mary Dwyer was burned to death.

Oct. 13, 1.45 P. M. (Still.) Fire in barn on Washington avenue, owned by James M. Lawton. Set by boys. Extinguished by men from No. 5 engine house. No loss.

Oct. 18, 12.45 P. M. Box 126. No fire found. Companies responding: Engines 1 and 7, Hook and Ladder 2, and Hose 2.

Oct. 18, 4.30 P. M. Box 9. Fire in Patnaude's block, on Purchase street, occupied by J. C. Patnaude, and occupied by J. C. Patnaude and others. Cause, chimney. Companies responding: Engines 1 and 2, Hook and Ladder 2, and Hose 2 (No. 7 being out of commission on account of accident). No loss.

Oct. 19. (Telephone.) Chimney fire in dwelling 124 Chancery street. Responded to by men from No. 7 engine house. No loss.

Oct. 21. (Telephone.) Fire in house corner of Shepherd's lane and Water street, owned by Clark Greene. Cause, defective stove pipe. Responded to by men from No. 4 engine house. No loss.

Oct. 22. (Telephone.) Chimney fire in house corner of Spring and County streets, owned and occupied by Thomas R. Rodman. Responded to by men from Central engine house. No loss.

Oct. 22, 5 P. M. Box 127. Fire in shop on Purchase street, near Linden, occupied by S. Simansky. Responded to by Engines 1 and 7, Hook and Ladder 2, and Hose 2. No loss.

Oct. 23, 11 A. M. Box 28. Fire in house corner of Union and Emerson streets, owned by George W. Gay. Companies responding: Engines 2 and 5, Hook and Ladder 1, and Hose 1. No loss.

Oct. 24, 10. A. M. Box 56. Fire in house corner of South Water and Rivet streets, owned and occupied by P. R. Herity. Cause, defective chimney. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. Loss on building, $192.25; insurance on building, $700.

Oct. 24, 1.20 P. M. (Still.) Fire in tar barrels foot of North street. Extinguished by men from No. 1 engine house. No loss.

Nov. 6, 5.30 A. M. Box 12. Fire in greenhouse corner of Durfee street and Shawmut avenue, owned and occupied by Edward G. Davis. Cause, overheated stove. Companies responding: Engines 5 and 7, Hook and Ladder 2, and Hose 2. Loss $100.

Nov. 7, 8.15 A. M. (Still.) Fire in barber shop on Union street, owned by Mrs. Hetty Green, and occupied by A. J. Jordain. Cause, overheated stove.

Nov. 10, 9 A. M. (Still.) Fire in house No. 81 Elm street, owned and occupied by Micajah R. Raymond. Cause, curtain blew against gas jet. Extinguished by men from Central engine house.

Nov. 13. (Still.) Fire in house on Fifth street, owned and occupied by Capt. Joseph Viera. Cause, defective fireplace. Extinguished by men from No. 4 engine house. No loss.

Nov. 15, 10 P. M. (Still.) Chimney fire in house No. 224 Chancery street, occupied by Mrs. Susan Cobb. Extinguished by men from No. 5 engine house. No loss.

Nov. 16, 2.05 P. M. Box 48. Fire in house 663 South Water street, owned by Louisa Silvia. Cause, defective chimney. Companies responding: Engines 4 and 6, Hook and Ladder 3, and Hose 1. No loss.

Nov. 26. (Telephone.) Fire in house No. 46 North Second street, occupied by Dr. D. C. Ashley. Cause, hot stove. Extinguished by men from Central engine house. Loss on building, $25.

Dec. 10. (Telephone.) Fire on awning in front of Briggs & Lawrence's furniture store, on Union street. Cause, electric wires. Extinguished by men from Central engine house. No loss.

Dec. 10, 4.30 P. M. (Still.) Chimney fire in house on Elm street, owned and occupied by Gilbert Gammons. Extinguished by men from Central engine house. No loss.

Dec. 15, 5 P. M. Box 24. Fire in shanty corner of Elm and Cottage streets, occupied as a club room by Richard Williams. Companies responding: Engines 5 and 7, Hook and Ladder 1, and Hose 1. Loss $25.

Dec. 15. (Telephone.) Chimney fire in bakery on Union street, owned and occupied by S. P. Richmond. Extinguished by men from Central engine house. No loss.

Dec. 16. (Still.) Fire in house No. 58 Walden street, owned and occupied by Sylvester J. Putnam. Cause, gas jet came in contact with clothes. Extinguished by men from No. 5 engine house. No loss.

Dec. 19. (Still.) Fire in house on Mt. Vernon street, occupied by William Robinson and S. J. Campbell. Cause, explosion of lamp. At this fire Mrs. Sarah J. Campbell was burned so severely that she died soon after.

Dec. 25, 11.30 A. M. (Telephone.) Chimney fire in house corner of High and Second streets, owned by Messrs. Homer and Beetle, and occupied by Edward F. Jennings. Extinguished by men from Central engine house. No loss.

Dec. 27. (Still.) Fire in house corner of Second and Cannon streets, owned and occupied by William D. Richards. Cause, rags caught fire while thawing out water pipes. Extinguished by men from No. 4 engine house. No loss.

The following is the amount of losses by fire in this city for the past sixteen years, together with the amount of insurance on same:

Years.	Loss.	Insurance.
1877,	$26,063.66	$21,528.36
1878,	28,154.46	66,025.00
1879,	9,163.16	54,950.00
1880,	7,609.13	49,450.00
1881,	26,624.96	86,979.00
1882,	23,169.64	692,950.00
1883,	17,398.14	77,450.00
1884,	134,729.82	310,950.00
1885,	6,982.41	148,025.00
1886,	26,786.03	1,108,800.00
1887,	45,141.50	708,150.00
1888,	32,881.87	125,927.00
1889,	42,285.71	182,772.00
1890,	18,145.02	71,300.00
1891,	43,032.65	297,487.13
1892,	73,947.46	271,710.00

Fire Alarm Telegraph, 1892.

SUPERINTENDENT.

FREDERICK MACY, Chief Engineer.

ASSISTANT SUPERINTENDENT.

DANIEL D. BRIGGS.

Residence, 43 Bedford street; Office, City Hall.

LOCATION OF SIGNAL BOXES.

No. 3.	Lund's Corner.
4.	Acushnet Heights, near reservoir.
123.	Acushnet avenue, near Coffin avenue.
125.	Corner Bowditch and Weld streets.
126.	Cedar Grove and North Front streets.
127.	Purchase and Linden streets.
128.	County and Penniman streets.
5.	Linden and Ashland streets.
6.	Hazard and State streets.
7.	Purchase and Franklin streets.
8.	County and Pearl streets.
9.	Wamsutta street and Acushnet avenue.
12.	Shawmut avenue and Durfee street.
13.	Cedar and Locust streets.
14.	Purchase and Willis streets.
15.	Smith and Cedar streets.
16.	County and Hillman streets.
17.	Maxfield street and Acushnet avenue.

18. Purchase and North streets.
21. North and Water streets.
23. Kempton, west of Florence street.
24. Kempton and Cedar streets.
25. County and Kempton streets.
26. Water and Middle streets.
27. Purchase street and Mechanics lane.
28. Court and Cedar streets.
29. Arnold and Ash streets.
31. Acushnet avenue and Union street.
32. Union and Eighth streets.
34. Union and Water streets.
35. Fourth and School streets.
36. Walnut and Water streets.
37. Madison and Orchard streets.
38. Bedford and Sixth streets.
39. Acushnet avenue and Cannon street.
41. Hawthorn and Page streets.
45. Allen and Bonney streets.
46. South Water and Leonard streets.
47. Junction of Sixth and County streets.
48. Water and South streets.
51. Dartmouth and Rockland streets.
52. Fourth street, head of Potomska.
53. Crapo and Rivet streets.
56. South Water and Rivet streets.
57. Mosher and County streets.
58. South Water and Cove streets.
223. Court and Tremont streets.
226. Rodman and Front streets.
*61. Union Street Railway Horse Car Stables.
*62. Grinnell Mill.
*63. Wamsutta Mills.
*64. New Bedford Manufacturing Co.
*65. Hathaway, Soule & Harrington.
*67. New Bedford Cordage Factory.
*68. New Bedford Copper Works.
*71. Pairpoint Manufacturing Co.
*72. George Delano's Sons & Co.'s Works.
*73. Potomska Mills.
*74. Acushnet Mills.
*75. Morse Twist Drill Co.
*76. City Manufacturing Co.
*81. Howland Mills.
*82. Hathaway Mill.

*83. Rotch Mill.
*84. Iron Foundry, foot of Cannon street.
*85. New Bedford Gas Works.
*86. Old Colony Steamboat Co.
*91. Bennett Mills.
*92. New Bedford Casket Co.
*93. Pierce Mills.
*94. Old Colony Freight Depot, Pearl street.
*95. Bristol Mills.
*96. Columbia Mills.

*Private boxes, only to be rung for fire on the premises.

LIST OF FIRE ALARM KEYS FOR 1892.

1 S. C. Hart.
2 A. C. Tripp.
3 David Moncrief.
4 Engine house No. 1.
5 George A. Bourne.
6 Andrew M. Swift.
7 Silas Dammon.
8 Engine house No. 5.
9 Chief Engineer's office.
10 H. H. Fisher.
11 Store N. W. cor. Kempton and Cedar.
12 Seth Codding.
13 Returned to Chief Engineer.
14 Engine house No. 2.
15 County jail office.
16 J. D. Thompson.
17 Charles Taber.
18 William H. Sherman's stable.
19 Hart & Akin.
20 Henry Taber.
21 Engine house No. 4.
22 Thomas B. Tripp.
23 Greene & Wood Mfg. Co.
24 Cornell's stable.
25 Delano's oil works.
26 B. Dawson.
27 William Hindle.
28 Store N. W. cor. Cedar and Smith.
29 Samuel C. Moore.
30 Edwin Dews.
31 J. B. Ashley.
32 James E. Blake.
33 Chief Engineer's office.
34 Police.
35 Store N. W. cor. Arnold and Ash.
36 Jireh Swift.
37 J. L. Paddock.
38 Mrs. Joseph Reed.
39 E. Anthony & Sons.
40 Mrs. C. M. Pierce, Jr.
41 Stable, Fourth and Spring.
42 Mercury office.
43 Store cor. Grinnell and Sixth.
44 Store S. W. cor. Water and South.
45 A. L. Sylvia.
46 Robinson's oil works.
47 N. W. cor. Acushnet avenue and Maxfield street.
48 Denison Bros.' N. Mill.
49 Police.
50 Police.
51 "
52 "
53 "
54 "
55 "
56 Chief Engineer's office.
57 House N. W. cor. Water and Rivet.
58 Henry H. Fisher.
59 J. P. Kennedy.
60 Police.
61 Edward Hughes, cor. Acushnet and Coffin avenues.
62 Police.
63 Horace G. Howland.
64 William G. Howland.
65 New Bedford Gas Co.
66 Hastings' coal yard.
67 Chief Engineer's office.
68 L. T. Parlow.
69 P. B. Sherman.
70 A. A. Wood.
71 Police.
72 Frederick Macy.
73 George H. Bliss.
74 Chief Engineer's office.
75 George L. Brownell.
76 James M. Tripp.
77 Potomska Mills.
78 Police.
79 "
80 "
81 "
82 Rufus A. Soule.
83 William H. Sherman.
84 Police.
85 "
86 Wamsutta Mills gate office.
87 Adoniram Negus.
88 Chief Engineer's office.
89 Wamsutta Club House.
90 Police.
91 "
92 "
93 "
94 "
95 "
96 "
97 "
98 "
99 "
100 "
101 "

102 Police.
103 "
104 "
105 "
106 "
107 "
108 "
109 "
110 "
111 "
112 "
113 "
114 "
115 "
116 "
117 "
118 "
119 "
120 D. D. Briggs.
121 Police.
122 E. C. Milliken.
123 Marcus W. Taber.
124 Rodolphus Beetle.
125 Soap factory, cor. Water and Middle streets.
126 Henry T. Wood's residence.
127 Coal pockets, foot of Walnut street.
128 Snell's bakery.
129 A. H. Rhodes.
130 R. S. Lawton.
131 George A. Taylor.
132 L. G. Hewins, Jr.
133 C. S. Paisler.
134 George W. Hillman.
135 Hathaway & Soule's factory.
136 Henry Howard.
137 Mt. Washington Glass Co.
138 A. M. Pierce.
139 F. A. Sowle's mill.
140 S. P. Richmond's bakery.
141 E. H. Martin.
142 Police.
143 George A. Cobb.
144 A. Harrington.
145 E. C. Taber.
146 Engine No. 9.
147 Hersom's soap factory.
148 Police.
149 "
150 "
151 "
152 "
153 "
154 "
155 "
156 William Lowe's residence.
157 James Wilson.
158 No. 6 engine house.
159 George W. Parker.
160 House S. W. cor. Acushnet avenue and Maxfield street.
161 D. Bromley.
162 Thomas Donaghy.
163 William A. Pease.
164 Police.
165 Henry W. Kenyon.
166 Police.
167 "
168 W. F. Wheaton.
169 T. B. Rowe.
170 Store cor. Allen & Dartmouth streets.
171 George F. Luscomb.
172 Thomas Pelan.
173 William Osgood.
174 Roland Ashley.
175 John H. Lowe.
176 William J. Marr.
177 John Thompson.
178 John Lincoln.
179 L. T. Terry.
180 J. W. Lavers.
181 Chief Engineer's house.
182 Horse car stable, Purchase street.
183 A. F. Brownell.
184 James Davis' store.
185 D. A. Snell's house.
186 Abram Francis.
187 O. G. Brownell.
188 John Wing.
189 Engineer of steamer No. 6.
190 Chief Engineer's office.
191 T. M. Hart.
192 Jonathan Bourne's house.
193 House 510 Acushnet avenue.
194 Mt. Washington Glass Co.
195 Acushnet Mills.
196 Grinnell Mills.
197 " "
198 Pairpoint Mfg. Co.
199 Grinnell Mills.
200 N. B. Cordage Co.
201 Wamsutta Mills.
202 N. B. Cordage Co.
203 " "
204 " "
205 " "
206 Acushnet Mills.
207 " "
208 Wamsutta Mills.

209 Wamsutta Mills.
210 " "
211 " "
212 Grinnell Mill.
213 N. B. Mfg. Co.
214 Hathaway & Soule.
215 Potomska Mills.
216 Hathaway & Soule.
217 Potomska Mills.
218 " "
219 " "
220 N. B. Mfg. Co.
221 " "
222 " "
223 " "
224 Hathaway & Soule.
225 " "
226 M. T. D. & Machine Co.
227 " "
228 " "
229 " "
230 N. B. Copper Co.
231 " "
232 " "
233 Selmer Eggers.
234 N. B. Copper Co.
235 Delano's oil works.
236 House cor. Hazard and State streets.
237 Pierce & Bushnell Mfg. Co.
238 D. D. Briggs.
239 George W. Hillman.
240 James H. Sherman.
241 Delano's Oil Works.
242 " "
243 " "
244 Police.
245 "
246 "
247 "
248 "
249 "
250 "
251 John Ward.
252 Louis H. Richardson.
253 N. B. Gas Co.
254 " "
255 " "
256 " "
257 " "
258 " "
259 " "
260 W. K. Wagner.
261 R. S. Taber.
262 Pairpoint Mfg. Co.
263 George B. Wheeler.
264 Mrs. Leonard.
265 F. A. Sowle.
266 C. S. Kelley.
267 Horse car stable, Purchase st.
268 Police.
269 "
270 "
271 John Lowe's store.
272 J. M. Lyons.
273 John Lowe.
274 Henry L. Dunham.
275 William F. West.
276 Benjamin H. Reed.
277 C. K. Turner.
278 Horse car stable, Purchase st.
279 N. B. & N. Y. Steamship Co.
280 Charles S. Randall.
281 Police.
282 "
283 "
284 Smith Brothers.
285 I. H. Shurtleff.
286 Gate tender's lodge, Wamsutta street.
287 C. O. Andrews.
288 Orphans Home.
289 J. P. Taylor's residence.
290 Rural cemetery.
291 George L. Brownell.
292 A. H. Covel.
293 Collamore.
294 Engineer No. 2.
295 O. F. Bly.
296 L. A. Plummer.
297 Dr. Knowles.
298 Edward D. Mandell.
299 F. S. Potter.
300 Loum Snow.
301 Hook and Ladder No. 2.
302 House, 83 Dartmouth street.
303 Anthony Hurd.
304 Greene & Wood Mfg. Co.
305 John Smith.
306 William H. Washburn.
307 Horse car stable, Weld st.
308 Bowker & Tripp.
309 Walter Clifford's residence.
310 King Mfg. Co.
311 Police.
312 "
313 "
314 "
315 "
316 "
317 Greenwood House.
318 Grinnell's Foundry.

319 Opera House office.
320 Brayton's wood yard.
321 Dr. J. C. Shaw's residence.
322 Police.
323 Janitor Opera House.
324 Engineer of Steamer No. 4.
325 George Crapo.
326 S. C. Lowe's house.
327 Charles Taber.
328 J. W. Howland.
329 J. H. Platt.
330 H. A. Blackmer.
331 A. B. Kimball.
332 John O'Brien.
333 Mrs. Farley.
334 Levi W. Brawley.
335 Joseph Fredricks.
336 Captain J. Sherman.
337 W. P. Booth.
338 F. Russell.
339 Police.
340 Howland Mills.
341 " "
342 " "
343 " "
344 City Mfg. Co.
345 " "
346 " "
347 " "
348 John Duff.
349 T. M. Stetson's residence.
350 Police.
351 "
350 C. Gas Co.
351 C. "
352 Bennett Mill.
353 " "
352 D. Police.
353 D. "
354 N. B. Casket Co.
355 " "
356 Hathaway Mills.
357 " "
358 Morgan Rotch, residence.
359 Engine No. 7.
360 Blossom Bros.' planing mill.
361 William C. Taber, Jr., residence.
362 Howland Mills village.
363 " " "
364 " " "
365 Gas Co.
366 Gas Co.
367 N. B. Casket Co.
368 N. B. Casket Co.
369 Bennett Mills.
370 Hathaway Mills.
371 "
372 Police.
373 "
374 "
375 "
376 "
377 "
378 S. A. Brownell.
379 L. Bartel.
380 E. C. Gardiner.
381 John A. Gomley.
382 Peter F. Sullivan.
383 William H. Rankin.
384 Engineer steamer No. 1.
385 Police.
386 "
387 "
388 "
389 "
390 "
391 "
392 "
393 "
394 "
395 "
396 "
397 Clark Underwood.
398 Edison light station.
399 A. G. Howland.
400 J. J. Howland.
401 Alfred R. Bucklin.
402 Engineer steamer No. 7.
403 Department lineman.
404 E. E. Enos.
405 Office.
406 "
407 Bunker's drug store.
408 E. E. Enos' "
409 Charles H. Brownell.
410 E. W. Hervey.
411 S. A. Brownell's residence.
412 Smith & Carleton Iron Co.
413 " "
414 Police.
415 Henry Ashley, residence.
416 Luscomb & Cory's machine shop.
417 Wade's currier shop.
418 James Burke, residence.
419 Bliss & Nye, store.
420 D. B. Folger, store.
421 Harrington school.
422 Rhodes' eyelet factory.
423 Rhodes' eyelet factory.
424 Handy's iron store.

425 Old Colony freight.
426 " "
427 " Steamship Co.
428 " "
429 Allen Tinkham.
430 Old Colony freight.
431 " "
432 " Steamship Co.
433 " "
434 Office.
435 "
436 Rotch Mills.
437 "
438 Pierce Mills.
439 "
440 Bristol Mills.
441 "
442 Jason Ballou.
443 Samuel Watson.
444 Columbia Mills.
445 Columbia Mills.
461 Marshall Greene, residence.
462 Martin Fichtenmeyer, residence.
463 Store cor. Bonney and Rockland streets.
464 Rotch Mills.
465 Samuel France, residence.
466 Rotch Mills.
467 Pierce Mills.
468 "
469 Clarence Cook, residence.
470 Bristol Mills.
471 "
472 Wilson & Knapp Casket Co.
473 Columbia Mills.
474 "
475 Patnaude's store.
476 E. Ryan, residence.
477 Covill, druggist.
478 Peter Sullivan, residence.

Location of Reservoirs.

Durfee street, southeast corner of Shawmut avenue.
Linden street, northeast corner of Ashland.
Franklin street, southwest corner of State.
Willis street, northeast corner of State.
Campbell street, west side of Purchase.
Smith street, southeast corner of Cypress.
Pleasant street, between Maxfield and Sycamore.
County street, southeast corner of Maxfield.
Pleasant street, southwest corner of North.
Chestnut street, between Mill and North.
Mill street, southwest corner of Purchase.
Kempton street, between Cypress and Cedar.
High street, near northeast corner of Foster.
Middle street, near southeast corner of Purchase.
Middle street, west of grammar school.
County street, front of M. E. church.
North Second street, northwest corner of William.
City Hall square, west of hall.
Court street, near head of Orchard.
Union street, southwest corner of County.
Union street, southeast corner of Fourth.
School street, northwest corner of Fourth.
South Second street, northwest corner of Walnut.
South Sixth street, northwest corner of Walnut.
Orchard street, east side, below Hawthorn.
Russell street, between County and South Sixth.
Acushnet avenue, southeast corner of Cannon.
Bedford street, southeast corner of Fifth.
South Sixth street, southwest corner of Wing.
Acushnet avenue, southeast corner of Grinnell.
Washington street, northeast corner of Crapo.

Location of Hydrants.

	Pressure in lbs.
Acushnet avenue, west side, 267 feet north of Tarklin Hill road. Post.	53
Acushnet avenue, southwest corner of Tarkiln Hill road. Post.	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet. Post.	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet. Post.	53
Acushnet avenue, west side, north of North Belleville road 600 feet. Post.	53
Acushnet avenue, west side, north of North Belleville road 6 feet. Post.	54
Acushnet avenue, west side, south of North Belleville road 601 feet. Post.	55
Acushnet avenue, west side, north of Shaw 610 feet. Post.	51
Acushnet avenue, northwest corner of Shaw. Post.	47
Acushnet avenue, west side, north of South Belleville road 603½ feet. Post.	45
Acushnet avenue, west side, head of South Belleville road. Post.	42
Acushnet avenue, northwest corner of Nash road. Post.	40
Acushnet avenue, northwest corner of Hathaway avenue. Post.	40
Acushnet avenue, northwest corner of Davis. Post.	41
Acushnet avenue, southwest corner of Phillips avenue. Post.	39
Acushnet avenue, southwest corner of Deane. Post.	48
Acushnet avenue, west side, north of Sawyer 574½ feet. Post.	53
Acushnet avenue, southwest corner of Coggeshall. Post.	56
Acushnet avenue, southwest corner of Cedar Grove. Post.	54
Acushnet avenue, west side, south of Logan 335 feet. Post.	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double.	62
Acushnet avenue, west side, north of Wamsutta 372 feet. Post.	60
Acushnet avenue, west side, south of Wamsutta 255 feet.	63
Acushnet avenue, west side, at end of Wall street. Post.	62
Acushnet avenue, southeast corner of Pope.	64
Acushnet avenue, northwest corner of Willis.	61

Acushnet avenue, west side, south of Campbell 179 feet. 59
Acushnet avenue, northwest corner of Maxfield. 57
Acushnet avenue, northwest corner of Kempton. 47
Acushnet avenue, northeast corner of Elm. 47
Acushnet avenue, northwest corner of School. Post. 51
Acushnet avenue, northwest corner of Madison. Post. 57
Acushnet avenue, northwest corner of Russell. Post. 58
Acushnet avenue, northwest corner of Bedford. Post. 60
Acushnet avenue, west side, opposite Howland. 61
Acushnet avenue, northwest corner of Potomska. Post. 50
Acushnet avenue, west side, north of Rivet 98 feet. Post. 59
Acushnet avenue, southwest corner of Blackmer. 60
Allen street, southeast corner of Bonney. 46
Allen street, northwest corner of Ward. 41
Allen street, north side, east of Page 159 feet. 38
Allen street, southwest corner of Page. Post.
Arch street, southwest corner of Union. 24
Armour street, west side, 130 feet south of Court. Post.
Arnold street, south side, west of Orchard 96 feet. Post. 22
Arnold street, southwest corner of Chancery. 33
Arnold street, southeast corner of Atlantic. 32
Arnold street, south side, 15.3 feet west of James. Post. 24
Ash street, northwest corner of Middle. 27
Ash street, southwest corner of Morgan. Double. 25
Ash street, northwest corner of Arnold. 32
Ash street, northwest corner of Maple. 34
Ash street, northwest corner of Bedford. Post. 37
Ashland street, west side, head of Linden. 11
Ashland street, west side, 71 feet south of Clark. Post.
Atlantic street, west side, 186 feet south of Arnold. Post. 29
Atlantic street, west side, 390 feet north of Arnold. Post. 30
Austin street, southeast corner of State. Post. 42
Austin street, southwest corner of Purchase. Post. 56
Austin street, southeast corner of Cedar. Post. 19
Austin street, south side, on west line of Wilson. Post. 20
Austin street, southwest corner of Ashland. Post. 15
Austin street, southeast corner of Shawmut avenue. Post. 14

Babbitt street, south side, 207.5 feet west of Dartmouth. Post. . . 42
Babbitt street, southeast corner of Field. Post.
Bay street, south side, 49 feet east of Columbia. Post.
Bedford street, southwest corner of Fifth. Post. 55
Bedford street, southeast corner of County. 47
Bedford street, southeast corner of Orchard. 37
Beech street, northwest corner of Kempton. Post. 18
Beetle street, southwest corner of Howard. Post.
Belleville avenue, west side, 118 feet north of Washburn. Post.
Belleville avenue, northwest corner Cedar Grove. Post.
Belleville avenue, west side, 228 feet north of Dean. Post.
Belleville avenue, southwest corner of Washburn. Post. 61
Belleville avenue, west side, 134 feet north of Coggeshall. Post. . . 62
Belleville avenue, northwest corner of Beetle. Post. 60
Blackmer street, south side, east of Front 575 feet. Post. 63
Bolton road, west side, 246 feet north of Rivet. Post.
Bolton road, west side, south of Rivet 1027 feet. Post. 59
Bolton road, northwest corner Poplar road. Post. 59
Bonney street, northwest corner of Grinnell. 51
Bonney street, northwest corner of Rockland. Post. 54
Bonney street, west side, 259 feet north of Rivet. Post. 61
Borden street, southwest corner of Bay. Post. 42
Bowditch street, southwest corner of Weld. Post. 56
Bowditch street, west side, 313 feet south of Cedar Grove. Post. . . 55
Bowditch street, west side, north of Cedar Grove 244 feet. Post. . . 55
Bridge avenue, north side, 44 feet west of draw. 62
Bridge avenue, south side, 11 feet west of draw. 62
Brownell street, west side, 294 feet south of Union. Post. 22
Bullock street, southwest corner of Trinity. Post. 14
Campbell street, south side, east of County 163 feet. 28
Campbell street, south side, 216.5 feet west of County. Post. . . . 25
Campbell street, southwest corner of Cottage. Post. 19
Campbell street, south side, east of Emerson 205 feet. 18
Cannon street, south side, east of Second 164 feet. Post 63
Cedar street, northwest corner of Elm. Double. 25
Cedar street, southwest corner of Kempton. 26
Cedar street, west side, north of Mill 75 feet. 23

Cedar street, southwest corner of Hillman. 23
Cedar street, northwest corner of Sycamore. 21
Cedar street, southwest corner of Campbell. 18
Cedar street, southwest corner of Parker. 19
Cedar Grove street, southeast corner of Front. Post. 60
Cedar Grove street, southeast corner of Howard. Post. 58
Cedar Grove street, south side, 383 feet west of Bowditch. Post. . . 57
Cedar Grove street, northwest corner of Purchase. Post. 56
Cedar Grove street, southwest corner of County. Post. 43
Cedar Grove street, south side, 183.5 feet west of County. Post. . . 40
Centre street, south side, east of Water 85 feet. 56
Chancery street, west side, 167 feet south of Clinton. Post.
Chancery street, west side, north of Arnold 406 feet. Post. 33
Chancery street, southwest corner of Elm. Post. 28
Chancery street, west side, south of Parker 176 feet. Post. 24
Chancery street, west side, 263 feet north of Parker. Post. 16
Cherry street, southeast corner of Seventh. 38
Chestnut street, southwest corner of North. 19
Chestnut street, west side, north of Campbell 96 feet. 22
Clark street, southwest corner of State. 47
Clark street, south side, 170 feet west of County. Post. 40
Clinton street, south side, east of Orchard 125 feet. 26
Clinton street, south side, west of Ash 242.5 feet. Post. 44
Coffin avenue, southwest corner North Purchase. Post. 40
Coffin avenue, south side, opposite Oneko lane. Post. 40
Coffin avenue, southeast corner of Bowditch. Post. 40
Coffin avenue, southeast corner of Front. Post. 50
Coffin avenue, south side, 63 feet west of Belleville avenue. Post.
Coffin street, north side, 262 feet east of Water. Post. 62
Coggeshall street, south side, 227.4 feet east of Mitchell. Post. . . . 64
Coggeshall street, southeast corner of Belleville avenue. Post. . . . 62
Coggeshall street, southwest corner of Front. Post. 61
Coggeshall street, southwest corner of Purchase. Post. 53
Coggeshall street, southeast corner of County. Post. 43
Coggeshall street, south side, 149 feet west of County. Post.
Collins street, south side, 72.4 feet west of Glover. Post. 12
Columbia street, west side, 110 feet south of Allen. Post.

Commercial street, north side, east of Front 82 feet. Post. 62
Cottage road, south side, 435 feet west of Bolton road. Post. 55
Cottage street, southwest corner of Bay. Post. 43
Cottage street, northwest corner of Allen. 42
Cottage street, northwest corner of Bedford. 37
Cottage street, northwest corner of Hawthorn. 31
Cottage street, southwest corner of Arnold. 23
Cottage street, southwest corner of Union. 22
Cottage street, southwest corner of Kempton. Post. 22
Cottage street, northwest corner of Hillman. Post. 20
Cottage street, northwest corner of Sycamore. Post. 20
Cottage street, northwest corner of Parker. Post.
Cottage street, west side, 237 feet north of Locust. Post. 20
Cottage street, west side, 92 feet south of Austin. Post.
County street, west side, 200 feet north of Coggeshall. Post. . . . 44
County street, southeast corner of Penniman. Post. 44
County street, west side, 234½ feet south of Clark. Post. 43
County street, west side, 115 feet south of Weld. Post. 42
County street, southwest corner of Austin. Post. 33
County street, northwest corner of Locust. Post. 24
County street, northwest corner of Parker. 23
County street, southwest corner of Smith. Post. 30
County street, southwest corner of Maxfield. 25
County street, southwest corner of North. 21
County street, southwest corner of Middle. Double. 22
County street, southwest corner of Morgan. Post. 22
County street, northwest corner of Union. 24
County street, west side, head of School. 27
County street, northwest corner of Madison. 32
County street, southwest corner of Hawthorn. 36
County street, northwest corner of Allen. 49
County street, southwest corner of Grinnell. Post. 61
County street, northwest corner of South. Post. 62
County street, northwest corner of Winsor. Post. 57
County street, west side, 71 feet north of Division. Post. 54
County street, northwest corner of Cove road. Post. 62
Court street, southwest corner of Orchard. 22

Court street, south side, opposite Cedar. 23
Court street, northeast corner of Ash. Post. 20
Court street, south side, opposite Emerson. 26
Court street, south side, west from Park 304 feet. 32
Court street, south side, head of Jenney. Post. 23
Court street, south side, east of Reed 300 feet. Post. 22
Cove street, southwest corner of Cleveland avenue. Post.
Cove street, southwest corner of Harrison avenue. Post.
Cove street, southwest corner of Salisbury. Post.
Cove street, southwest corner of Viall. Post.
Cove street, southwest corner of McGurk. Post.
Cove street, south side, west of Water 334½ feet. Post. 60
Cove street, southeast corner of County. Post. 72
Crapo street, west side, south of Washington 343 feet. 60
Crapo street, west side, south of Rockland 225 feet. 63
Crapo street, west side, 160 feet south of Thompson. Post. 58
Dartmouth street, east side, southwest of Orchard 110 feet. 47
Dartmouth street, east side, 125 feet south of Hickory. Post. . . . 47
Dartmouth street, east side, 260 feet south of Rockland. Post. . . . 45
Dartmouth street, east side, 99 feet south of Thompson. Post. . . . 44
Dartmouth street, southeast corner of Larch. Post. 42
Dartmouth street, east side, 28 feet north of Dunbar. Post.
Dean street, southwest corner of Belleville avenue. Post. 62
Dean street, southeast corner of Front. Post. 50
Delano street, southwest corner of Water. Post. 57
Delano street, southeast corner of Acushnet avenue. Post. 57
Division street, southeast corner of Second. Post. 61
Division street, south side, 527 feet west of County. Post. 62
Division street, south side, east of Crapo 6 feet. Post. 58
Durfee street, southwest corner of Cedar. Post. 15
Durfee street, southwest corner of Bullock. Post. 17
Durfee street, southwest corner of Shawmut avenue. Post. 12
East French avenue, northwest corner of Columbia avenue. Post.
Elm street, southwest corner of Pleasant. 38
Elm street, southwest corner of Summer. 18
Elm street, south side, 43.5 feet west of Florence. Post. 26
Elm street, southeast corner of Palmer. Post. 14

Emerson street, west side, 173.8 feet north of Arnold. Post. 29
Field street, west side, 351 feet south of Babbitt. Post.
Fifth street, southwest corner of School. Post. 45
Fifth street, west side, south of Madison 245 feet. 50
Fifth street, northwest corner of Wing. Post. 59
Fifth street, northwest corner of Grinnell. 61
First street, southwest corner of Spring. 58
First street, west side, south of School 109 feet. 57
First street, west side, south of Howland 185 feet. 65
First street, west side, south of South 255 feet. 63
Florence street, west side, north of North 180 feet. Post. 26
Florence street, northwest corner of Mill. Post. 24
Florence street, west side, 199.6 feet south of Kempton. Post. . . . 27
Florence street, southwest corner of Morgan. Post. 29
Forest street, south side, west of County 90 feet. 53
Foster street, southwest corner of Maxfield. 37
Foster street, northwest corner of High. 33
Fourth street, west side, north of School 106 feet. 46
Fourth street, west side, south of Madison 210 feet. 54
Fourth street, east side, opposite Washington. Post. 57
Fourth street, northwest corner of Rockland. 62
Fourth street, west side, south of Potomska 61 feet. Post. 58
Franklin street, southwest corner of Pleasant. 43
Franklin street, southwest corner of State. Post. 38
French avenue, west side, south of Cove road 14 feet. 60
Front street, southwest corner of Holly. Post.
Front street, west side, south of Washburn 319 feet. 62
Front street, west side, south of Logan 383 feet. Post. 63
Front street, southeast corner of Wamsutta. Post. 65
Front street, southwest corner of Hazards lane. 61
Front street, northwest corner of Rodman. Post.
Front street, southwest corner of Centre. 61
Front street, west side, south of Commercial 86 feet. 63
Front street, northwest corner of lane head of Merrill's wharf. . . . 65
Front street, west side, south of Howland 268 feet. Post. 61
Front street, southwest corner of Grinnell. Post. 62
Front street, west side, south of South 330 feet. Post. 62

Front street, west side, 191 feet north of Blackmer. Post.
Front street, west side, north of Delano 191 feet. Post. 62
Fruit street, south side, east of Hemlock 126.5 feet. Post. 53
Fruit street, south side, 25.5 feet west of Mulberry. Post. 46
Gifford street, south side, 274 feet east of Water. Post. 65
Granfield street, west side, 263 feet north of Coggeshall. Post.
Grape street, south side, west of Lewis 131 feet. Post. 36
Grape street, south side, west of Lewis 517½ feet. Post. 34
Griffin street, southwest corner of Second. 62
Grinnell street, south side, west of Acushnet avenue 76 feet. 60
Grinnell street, south side, east of Crapo 103 feet. 58
Grinnell street, southwest corner of Orchard. Post. 50
Grove street, southwest corner of Anthony. 32
Harbor street, east side, 195 feet north of Cove. Post.
Harbor street, east side, 372 feet north of Cove. Post.
Harbor street, east side, 540 feet north of Cove. Post.
Harbor street, southeast corner of Gifford. Post.
Harmony street, southwest corner of Social. Post. 59
Harrison street, southwest corner of Hickory. Post. 48
Hawthorn street, southeast corner of Page. 28
Hawthorn street, south side, east of Tremont 147 feet. Post. . . . 28
Hawthorn street, southwest corner of Brigham. Post. 26
Hawthorn street, south side, 301 feet west of Brigham. Post. . . . 24
Hazard street, south side, west of State 140 feet. 36
Hazard street, southwest corner of Pleasant. 46
Hemlock street, west side, 231 feet south of Rockland. Post.
Hicks street, south side, east of Acushnet avenue 276 feet. Post. . . 56
High street, south side, east of Acushnet avenue 43 feet. 48
High street, south side, east of County 177 feet. 23
Hillman street, southwest corner of Second. 57
Hillman street, southeast corner of Hill. 32
Hillman street, southwest corner of Chancery. Post 29
Howland street, northeast corner of Second. 63
Howland street, south side, 19.2 feet west of Prospect. Post. . . . 60
Independence street, south side, 480 feet west of County. Post. . . 57
Irving court, north end of court. 25
James street, west side, 107 feet north of Arnold. Post. 24

James street, southwest corner of Court. Post.
Katharine street, south side, 66.7 feet east of Crapo. Post. 62
Kempton street, southwest corner of Pleasant. Post. 36
Kempton street, south side, opposite Hill. 28
Kempton street, southwest corner of Summer. 19
Kempton street, southwest corner of Emerson. 26
Kempton street, southwest corner of Park. 28
Kempton street, southwest corner of Liberty. 29
Kempton street, southeast corner of Jenney. 26
Kempton street, south side, west of Hunter 50 feet. Post. 21
Kempton street, southwest corner of Francis. Post. 14
Kilburn street, north side, east of Front 244 feet. Post. 62
Kilburn street, north side, east of Front 581 feet. Post. 64
Larch street, south side, 120 feet east of Mulberry. Post. 45
Larch street, south side, 129 feet east of Hemlock. Post. 51
Liberty street, west side, south of Kempton 339 feet. 30
Lincoln street, west side, south of Union 171 feet. 23
Linden street, south side, west of State 13½ feet. Post. 43
Linden street, south side, west of County 169 feet. Post. 34
Linden street, south side, 67½ feet west of Reynolds. Post. 24
Linden street, south side, 6½ feet east of Ashland. Post. 14
Lindsey street, west side, 173 feet south of Kempton. Post. 27
Lindsey street, northwest corner of Morgan. Post. 24
Locust street, southwest corner of Chestnut. Post. 23
Locust street, southeast corner of Richmond. Post. 15
Logan street, southwest corner of North Front. 65
Logan street, south side, east of Acushnet avenue 400 feet. 62
Logan street, southwest corner of Acushnet avenue. 63
Lombard street, west side, 209½ feet south of Rockland. Post. . . . 50
Madison street, southwest corner of First. 61
Madison street, southwest corner of Sixth. Post. 41
Maitland street, south side, west of Cedar 305 feet. Post. 14
Maxfield street, southwest corner of Second. Post. 58
Maxfield street, southwest corner of Pleasant. Post. 38
Maxfield street, southeast corner of Chestnut. 19
Maxfield street, southeast corner of Spruce. 21
Maxfield street, southwest corner of Ash. Post. 22

McGurk street, west side, 348 feet north of Middle Point road. Post. 55
Mechanics lane, north side, east of Eighth 206 feet. 30
Merrimac street, southwest corner of State. Post. 41
Middle street, southeast corner of Second. 54
Middle street, southeast corner of Sixth. Double. 36
Middle street, south side, east of Cedar 371 feet. 32
Middle street, southeast corner of Chancery. 29
Mill street, south side, west of Hill 191 feet. 25
Mill street, south side, west of Ash 45 feet. 25
Mill street, south side, 138 feet west of Hunter. Post. 18
Mill street, south side, 97.9 feet west of Beech. Post. 14
Mitchell street, west side, 178.8 feet north of Coggeshall. Post. . . 63
Morgan street, southwest corner of Cottage. 33
Mosher street, south side, west of County 517 feet. Post. 59
Mt. Pleasant street, southeast corner of distributing reservoir. 4
Mt. Pleasant street, west side, north of Durfee 572 feet. 8
Mt. Pleasant street, northwest corner of Durfee. Post. 12
Mt. Vernon street, south side, 359 feet west of Mt. Pleasant. 6
Myrtle street, west side, 22 feet south of Weld. Post.
Myrtle street, west side, 294.5 feet north of Weld. Post. 20
Nelson street, south side, 541.6 feet west of County. Post. 60
Newton street, northwest corner of Elm. Post. 29
North street, southeast corner of Second. Post. 54
North street, southeast corner of Acushnet avenue. 50
North street, northwest corner of Pleasant. Post. 35
North street, southwest corner of Foster. 35
North street, southwest corner of Park. Post. 29
North street, southeast corner of Newton. Post. 32
North street, southwest corner of Hunter. Post. 22
Nye street, southwest corner of Belleville avenue. Post.
Nye street, southwest corner of Front. Post.
Oak street, southwest corner of Harrison. Post. 45
Oak street, northwest corner of Grape. Post.
Oak street, west side, 72 feet south of Allen. Post.
Ocean street, west side, 184½ feet south of Arnold. Post. 32
Old Point Road, west side, east of French avenue 650 feet. 53

Old Point road, west side, 2510 feet east of McGurk.
Orchard street, west side, head of Madison. 27
Page street, west side, 429½ feet south of Hawthorn. Post. 36
Palmer street, west side, 113 feet south of Court. Post. 19
Park place, south side, west of Sixth 306 feet. 32
Park street, west side, 27.1 feet south of Maxfield. Post. 24
Park street, southwest corner of Hillman. Post. 25
Park street, west side, south of Kempton 339 feet. Post. 27
Park street, northwest corner of Court. Post. 28
Park street, west side, north of Arnold 263 feet. Post. 34
Parker street, south side, at Oak Grove Cemetery. Post. 25
Parker street, southwest corner of Summer. 27
Pearl street, southwest corner of Pleasant. Post. 41
Pine street, northwest corner of Cross. 65
Pleasant street, southwest corner of Market. 37
Pleasant street, west side, north of William 21½ feet. Post. 40
Pleasant street, east side, foot of Sycamore. Post. 39
Pleasant street, northwest corner of Pope. 42
Pleasant street, northwest corner of Austin. 47
Pleasant street, southwest corner of Linden. 48
Pleasant street, southwest corner of Weld. Post. 48
Pope street, south side, opposite North Oak. 32
Pope street, south side, 226 feet east of Chestnut. Post. 21
Poplar road, south side, 431 feet west of Bolton road. Post. 52
Potomska street, { A group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street. 64
Prospect street, west side, 275.2 feet north of Grinnell. Post. . . . 61
Prospect street, northwest corner of Grinnell. Post. 63
Prospect street, west side, north of Potomska 324½ feet. Post. . . . 62
Prospect street, northwest corner of Potomska. Post. 63
Purchase street, northwest corner of Deane. Post. 43
Purchase street, west side, opposite Oneko Mill. Post. 48
Purchase street, east side, opposite Clark. Post. 58
Purchase street, west side, opposite Logan. 58
Purchase street, northwest corner of Merrimac. Double. 51
Purchase street, northwest corner of Pope. 52

Purchase street, southwest corner of Pearl. Double. 52
Purchase street, southwest corner of Campbell. 47
Purchase street, west side, north of Maxfield 343 feet. Double. . . . 46
Purchase street, southwest corner of Hillman. Double. 43
Purchase street, southwest corner of Mill. 42
Purchase street, northwest corner of Middle. 40
Purchase street, west side, at Central engine house. Post. 40
Purchase street, northwest corner of Union. 43
Reed street, west side, 145 feet north of Court. Post.
Reed street, west side, 25 feet north of Elm. Post. 15
Reed street, west side, 293 feet south of Kempton. Post. 18
Reynolds street, southwest corner of Weld. Post. 26
Reynolds street, west side, 17.9 feet south of Clark. Post. 29
River street, southwest corner of Belleville avenue. Post.
River street, southeast corner of Front. Post.
Rivet street, southwest corner of Second. 62
Rivet street, southwest corner of County. Post. 59
Rivet street, southwest corner of Bonney. Post. 59
Rivet street, southwest corner of Hemlock. Post. 51
Rivet street, southeast corner of Bolton Road. Post. 56
Robeson street, southwest corner of County. Post. 26
Robeson street, southwest corner of Ashland. Post. 15
Robeson street, south side, 92 feet east of Cottage. Post.
Robeson street, southeast corner of Cedar. Post. 21
Robeson street, south side, 351 feet west of Cedar. Post. 17
Rockdale avenue, southwest corner of Bolton road. Post. 57
Rockdale avenue, south side, 327 feet west of Bolton road. Post. . . 54
Rockland street, southwest corner of County. Post. 58
Rockland street, southeast corner of Hall. Post. 56
Rockland street, south side, 13 feet west of Orchard. Post. 54
Rockland street, southwest corner of Lombard. Post. 50
Rounds street, northwest corner of Elm. Post. 22
Russell street, south side, east of Fifth 92 feet. 54
Russell street, southwest corner of Sixth. Post. 47
Russell street, south side, 179 feet west of Sixth. Post. 42
Salisbury street, west side, 598 feet south of Cove. Post.
Sawyer street, southwest corner of Bowditch. Post. 53

Sawyer street, southwest corner of Acushnet avenue. Post. 59
Sawyer street, southeast corner of Belleville avenue. Post. 65
Sawyer street, south side, 418.8 feet east of Mitchell. Post. 64
School street, southwest corner of Sixth. Post. 37
Scott street, south side, 169 feet west of County. Post.
Second street, northwest corner of Mill. 55
Second street, west side, south of Elm 52 feet. Post. 52
Second street, west side, south of Spring 74 feet. 55
Second street, northwest corner of Coffin. 61
Second street, west side, at head of Morgans lane. Post. 60
Second street, west side, north of Grinnell 61 feet. 63
Second street, west side, north of Potomska 232 feet. Post. 61
Second street, west side, south of Potomska 122 feet. Post. 63
Second street, west side, 188 feet south of Blackmer. Post. 59
Seventh street, southwest corner of Union. Post. 31
Seventh street, west side, north of Madison 50 feet. 36
Shawmut avenue, southwest corner Willis. Post.
Shawmut avenue, southwest corner of Parker. Post.
Shawmut avenue, west side, head of Locust. Post. 17
Shawmut avenue, west side, 38.7 feet north of Tilton. Post. 11
Shawmut avenue, west side, north of Austin. Post. 13
Shawmut avenue, west side, 497 feet north of Durfee. Post.
Shawmut avenue, southwest corner of Grand. Post.
Sherman street, south side, west of County 314 feet. 51
Short street, west side, 128 feet south of Allen. Post.
Sisson street, northwest corner of Union. Post. 25
Sixth street, west side, north of Grinnell 194 feet. Post. 60
Smith street, southwest corner of Chestnut. Double. 22
Smith street, southeast corner Spruce. Double. 20
Smith street, southeast corner of Shawmut avenue, ... 22
Smith street, south side, east of Park 5 feet. Post. 29
South street, southwest corner of Acushnet avenue. 62
South street, southwest corner of Second. 62
South street, southwest corner of Water. Post. 63
South street, southwest corner of Prospect. Post. 61
Spring street, southeast corner of Acushnet avenue. Post. 51
Spring street, southwest corner of Seventh. 32

Spring street, southeast corner of Fifth. 42
State street, northwest corner of Sycamore. 35
State street, southwest corner of Pearl. 34
Summer street, northwest corner of North. 16
Summer street, northwest corner of Hillman. 16
Summer street, southwest corner of Willis. 26
Sycamore street, southwest corner of Thomas. 30
Sycamore street, southwest corner of Summer. 24
Sycamore street, south side, west of Ash 68 feet. 22
Thomas street, northwest corner of Hillman. 24
Thompson street, south side, 20 feet east of Hall. Post. 58
Thompson street, southwest corner of County. Post. 59
Tremont street, southwest corner of Union. Post. 26
Tremont street, northwest corner of Maple. Post. 29
Trinity street, south side, 145 feet west of Cedar. Post. 19
Union street, southwest corner of Water. Double. 57
Union street, southeast corner of Second. 52
Union street, southwest corner of Acushnet avenue. Double. . . . 48
Union street, southwest corner of Sixth. Post. 38
Union street, southeast corner of Emerson. Post. 28
Union street, south side, 344 feet west of Park. Post. 28
Walden street, southwest corner of Maxfield. 31
Wall street, south side, east of Acushnet avenue 165 feet. 62
Walnut street, northwest corner of Front. Post. 61
Walnut street, southwest corner of Second. 57
Walnut street, southeast corner of Fourth. Double. 51
Walnut street, southwest corner of Seventh. Post. 38
Wamsutta street, south side, west of Front 200 feet. Post. 65
Wamsutta street, south side, west of Front 372 feet. Post. 65
Wamsutta street, south side, east of Acushnet avenue 285 feet. Double. 64
Ward street, west side, 62 feet south of Bay. Post. 46
Washburn street, southeast corner of Acushnet avenue. 59
Washburn street, south side, west of North Front 228 feet. 59
Washington street, southeast corner of Crapo. 58
Washington street, south side, west of Orchard 102 feet. 50
Washington street, southeast corner of Dartmouth. 46

Water street, southwest corner of Hillman. 65
Water street, southwest corner of North. Post. 64
Water street, west side, south of North 258 feet. 63
Water street, northwest corner of Middle. Double. 62
Water street, southwest corner of Elm. 60
Water street, west side, north of Centre 46 feet. 50
Water street, west side, north of School 22 feet. 60
Water street, northwest corner of Walnut. 61
Water street, northwest corner of City wharf. 62
Water street, northwest corner of Coffin. 64
Water street, west side, head of Pine. Post. 67
Water street, west side, head of Leonard. Post. 62
Water street, southwest corner of Howland. Post. 60
Water street, northwest corner of Grinnell. Post. 60
Water street, northwest corner of Potomska. Post. 63
Water street, west side, 266 feet south of Potomska. Post. 63
Water street, northwest corner of Rivet. Post. 63
Water street, southwest corner of Blackmer. Post. 63
Water street, northwest corner of Delano. Post. 62
Water street, west side, head of Gifford. Post. 62
Water street, northwest corner of Cove. Post. 62
Weld street, southwest corner of State. Post. 43
William street, southwest corner of Bethel. 51
William street, southeast corner of Acushnet avenue. Post. 47
William street, southwest corner of Sixth. Post. 38
William street, southwest corner of Eighth. 26
Willis street, southeast corner of Pleasant. Post. 41
Willis street, southwest corner of State. 32
Willis street, southwest corner of County. Post. 26
Willis street, southwest corner of Cottage. Post. 19
Willis street, south side, west of Cedar 200 feet. 18
Willow street, south side, 305.1 feet east of Cedar. Post. 16
Willow street, south side, 163 feet west of Bullock. Post.
Wing street, southwest corner of Fourth. 57
Wing street, southwest corner of Sixth. Post. 57
Winsor street, south side, west of County 455½ feet. Post. 58
Winsor street, south side, 77½ feet east of Crapo. Post. 60

Number of flush hydrants,	195
Number of post hydrants,	347
Total number of hydrants,	542

In Board of Aldermen,
March 13, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
4 mo. 13, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1892—CITY DOCUMENT NO. 6.

ANNUAL REPORT

OF THE

School Committee

OF THE

CITY OF NEW BEDFORD,

TOGETHER WITH THE

Superintendent's Annual Report,

FOR THE YEAR 1892.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

In School Committee,
Dec. 29, 1892.

Voted, That the Secretary prepare the Annual Report of the School Board, and that 1,200 copies of the same be printed.

Report of the Secretary.

By direction of the School Committee, I submit to our fellow-citizens the following Report for the year 1892.

STATISTICS.

I. POPULATION AND VALUATION.

The population of the city (census of 1880) was	26,875
The population of the city (census of 1890) was	40,705
Estimated population of the city (Dec. 31, 1892) is	45,000
Valuation of taxable property (1892) is	$40,274,113

II. SCHOOL CENSUS.

School census, May, 1891 (children between five and fifteen years of age),	7,891
School census, May, 1892 (children between five and fifteen years of age),	8,605
Increase during the year (children between five and fifteen years of age),	714

SCHOOL CENSUS BY WARDS.

	1891.	1892.	Gain.
Ward One,	2,530	2,882	352
Ward Two,	716	727	11
Ward Three,	698	698	
Ward Four,	452	489	37
Ward Five,	761	790	29
Ward Six,	2,734	3,019	285
			714

LOCATION OF CHILDREN BETWEEN FIVE AND FIFTEEN YEARS OF AGE, AS REPORTED BY THE CENSUS OFFICERS.

	Attending Public Schools.	Attending Private and Parochial Schools.	Attending no School.
Ward One,	1,117	1,297	468
Ward Two,	468	175	84
Ward Three,	573	44	81
Ward Four,	374	58	57
Ward Five,	576	140	74
Ward Six,	2,055	586	378
	5,163	2,300	1,142

REMARKS ON THE CENSUS.

The census returns for the year show a large increase in the number of children in the city between the ages of five and fifteen years. The increase was not so large, however, as for the year preceding. The increase from May, 1890, to May, 1891, was 1,058; from May, 1891, to May, 1892, it was 714, or 344 less than the year before. The returns also show that there were 1,142 children between the ages of five and fifteen years of age who were reported as attending no day school. This is a decrease of 217 from the number reported the preceding year. This decrease is unquestionably due to the amendment in the educational law which requires an attendance at school of thirty weeks instead of twenty, of all children between eight and fourteen years of age. But, as I stated last year, it must not be inferred that these 1,142 children who are reported as attending no school have not attended school at all during the year, or will not. This number includes children under eight years of age whose parents had not placed them in school at the time the census was taken; also those are included who had completed their school time in compliance with the school laws and had been granted certificates to work. I am satisfied that there are but few children in the city of school age who do not attend some school, either public or private.

III. SCHOOL ORGANIZATION.

High,	1
Training school for teachers,	1
Grammar,	4
Primary,	11
Country,	5
Mill,	2
Total,	24

IV. SCHOOL BUILDINGS.

Occupied by the schools,	22

In addition, one class is housed in a church on Weld street; two other classes are housed in a store on Acushnet avenue, while the alterations in the Cedar Grove Street school house are being made.

ROOMS USED FOR SCHOOL PURPOSES (DAY SCHOOLS), INCLUDING HALLS AND RECITATION ROOMS.

High,	17
Training,	9
Grammar,	39
Primary,	73
Mill,	4
Country,	8
Rooms unoccupied,	2
Total,	152
Rooms used for both day and evening schools,	24
Rooms used for Evening Drawing school,	3

V. SEATS.

	Seats Occupied.	Seats Unoccupied.
High school,	386	21
Grammar schools,	1,557	247
Primary schools,	2,819	412
Training school,	329	42
Mill schools,	81	44
Country schools,	220	85
Total,	5,392	851

VI. TEACHERS.

Whole number in service, Dec. 23, 1892:

High school,	13
Training school,	18
Grammar schools,	40
Primary schools,	67
Country schools,	7
Mill schools,	4
Special teachers,	5
Temporary assistants,	1
Evening schools,	53
Total,	208

VII. PUPILS.

DAY SCHOOLS, 1892.

Whole number of pupils enrolled of all ages,	6,713
Average number pupils belonging,	5,379
Average daily attendance,	4,823
Per cent. of attendance,	89.6
Number of half-days' absence,	194,535
Number cases tardiness,	12,855
Number cases dismissal,	18,422
Number cases truancy reported by teachers,	191
Number cases corporal punishment,	911
Half-days' absence of teachers,	1,793
Number cases tardiness by teachers,	215
Number visits made the schools by the Superintendent,	483
Number visits made the schools by the School Committee,	777
Number visits made the schools by parents and others,	2,938

EVENING SCHOOLS, 1892.

Whole number pupils enrolled,	2,192
Average number belonging,	971
Average nightly attendance,	703
Per cent. of attendance,	72
Total nights' absence,	14,876
Number of cases tardiness,	1,161
Number visits by Superintendent,	21
Number visits by School Committee,	140

EVENING DRAWING SCHOOL, 1892.

Whole number pupils enrolled,	124
Average number belonging,	58
Average nightly attendance,	46
Per cent. of attendance,	78
Number visits made by the Superintendent,	3
Number visits made by School Committee,	3

COST OF INSTRUCTION PER SCHOLAR BY SCHOOLS.

In this connection the cost of instruction per scholar is based upon the average number belonging to each school during the year, and the amount expended for hire of teachers, fuel, care of school houses, books and supplies (except those furnished from the income of the Sylvia Ann Howland fund), the term "care of school houses" including only the salaries of janitors.

Elsewhere in the Report is given the cost, by departments, of each pupil, based on the average number belonging and the total amount expended for the maintenance of each department during the year. This last computation furnishes basis upon which tuition of non-residents will be collected.

TABLE 1. This table is computed, as in former Reports, on the items classified above.

The cost of maintenance of each scholar in the High school for the year has been,	$49.01
Grammar schools:	
Fifth Street,	$26.28
Middle Street,	26.62
Parker Street,	22.74
Thompson Street,	23.74
Primary schools:	
Harrington Training,	$22.31
Acushnet Avenue,	13.92

I. W. Benjamin,	$16.03
Cedar Street,	19.07
Cedar Grove Street,	18.23
Cannonville,	26.85
Dartmouth Street,	16.22
Fourth Street,	17.77
Linden Street,	19.01
Merrimac Street,	21.19
Maxfield Street,	19.81
William Street,	21.17

Country schools:

Acushnet,	$33.92
Clarks Point,	27.06
North,	28.19
Plainville,	36.84
Rockdale,	28.09

Mill schools:

North Mill,	$36.46
South Mill,	34.51

Evening schools:

Cedar Grove Street,	$7.00
Fifth Street,	4.76
Merrimac Street,	6.39
Parker Street,	9.22
Thompson Street,	5.63
Evening Drawing,	14.82

The average cost of a

Grammar school pupil was	$24.09
Primary school pupil was	20.11
Country school pupil was	31.17
Mill school pupil was	35.52
Evening Elementary school pupil was	6.12
Evening Drawing school pupil was	14.82

The average cost of a day school pupil was $22.79

TABLE 2. The average cost per pupil, by departments, based on the average number belonging and total expenditures for each department, was as follows:

High school,	$55.45
Grammar schools,	27.24
Primary schools,	21.13
Country schools,	34.76
Mill schools,	37.82
Evening Elementary schools,	6.12
Evening Drawing school,	14.82
Average cost of a day school pupil,	$25.16
Average cost of an evening school pupil, including drawing school,	6.61

EXPENDITURES.

RECEIPTS.

General and special appropriations, as follows:

For teachers' salaries,		$96,500.00
Incidentals (including salaries of officers and janitors, books, supplies, fuel, etc.),		33,000.00
Repairs of buildings:		
General appropriation,	$8,000.00	
Special appropriation,	2,000.00	10,000.00
Special appropriations brought forward from 1891, as follows:		
For enlargement of North school house,	$1,200.00	
For new boiler and setting same, High school,	1,200.00	2,400.00
Total receipts,		$141,900.00

PAYMENTS.

For teachers' salaries,		$96,086.81
As follows:		
Day schools,	$91,232.84	
Evening schools,	4,853.97	
For incidentals,		33,191.41
As follows:		

Salaries of officers and janitors, day schools,	$15,335.96	
Salaries of janitors, evening schools,	645.50	
Books and supplies,	4,164.02	
Fuel,	5,982.22	
Miscellaneous (including rent of School Committee rooms and private buildings for school purposes, lighting evening schools, heating apparatus, janitors' supplies, furniture, freight and carting, etc.,	7,363.71	
For repairs of buildings, alterations, and permanent improvements,		$12,781.53
Total,		$142,059.75

Summary:		
Receipts,	$141,900.00	
Payments,	142,059,75	
Deficit for year,		$159.75

DOG FUND.

Balance, Jan. 1, 1892,	$3,351.37	
Received, Feb., 1892,	1,274.42	$4,625.79
Expenditures for 1892,		1,430.75
Balance,		$3,195.04

Received from non-resident pupils,	$910.55	
" " sale of books and supplies,	55.58	
" " sale of stoves,	9.00	$975.13

The above receipts, $975.13, have been paid over to the City Treasurer and placed to account of unappropriated funds.

The total amount expended for the schools for the year 1892 exceeded that for 1891 by $14,250.46, as follows:

Pay of teachers (increase),	$9,944.05	
Repairs and alterations of buildings (increase),	5,802.60	$15,746.65
Incidentals (decrease),		1,496.19
Net increase,		$14,250.46

REMARKS ON THE EXPENDITURES.

The increase of $14,250.46 in the expenditures of the department is abnormally large and calls for an explanation. As stated in the Report last year, the fiscal year for the item "pay of teachers" for the year 1891 was thirty-nine weeks; for 1892 it was forty-one weeks. As the pay-roll of day teachers is about $2,250 per week, this accounts for $4,500 of the increase. As was stated last year, this variation in the fiscal year on the item "pay of teachers" occurs but once in six years. The normal year is forty weeks. The whole increase in item "pay of teachers" for the year 1892, over that of 1891, was $9,944.05; subtracting from this sum $4,500 for the two extra weeks, leaves $5,444.05 in the item "pay of teachers" which is chargeable to increase of salaries instituted two years ago and teachers who have been added to the corps owing to the increase in the number of pupils.

In the "incidental" account, the amount expended in 1891 was $34,687.60; in 1892, the amount expended was $33,191.41, or $1,496.19 less. This decrease in the amount expended on account of incidentals in 1892 is to be accounted for by the fact that in 1891 the I. W. Benjamin school was furnished at an expense of $3,000 and no large school house was furnished during 1892.

The account "repairs of buildings" was $12,781.53 for 1892; for 1891 it was $6,978.93, an increase of $5,802.60. The large sum expended for repairs, including alterations, itemized, is as follows:

New boiler at High school and setting old one,	$1,376.54
Renewing and altering sanitaries (one side),	676.89
New sanitaries at Fifth Street school, and expenses incident to the change,	1,920.98
New sanitaries at Middle Street school, and expenses incident to the change,	2,022.06

Enlarging the North school to a two-room building,	$1,585.24
Building an additional room in the Dartmouth street school house attic,	626.09
Total,	$8,207.80

The remaining $4,573.73 were expended on the twenty-two school houses for ordinary repairs, such as carpenter work, painting, glazing, black-boards, etc.

It appears, therefore, that all alterations and permanent improvements on school houses in the city for the year, except the enlargement of the Cedar Grove Street school house, are included under item "repairs of buildings." It is customary in most cities to charge alterations and permanent improvements to a separate account from that of ordinary repairs. It is well that this be done, otherwise the cost of the schools for running expenses varies from year to year to a great degree and the statistics of the same are less valuable for comparison than they otherwise would be.

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Jan. 1, 1892,	$280.36
Interest for the year,	3,000.00
Total credit,	$3,280.36
Expenditures for the year,	2,968.38
Balance, Jan. 1, 1893,	$311.98
Cost of books and supplies during 1892,	$2,968.38
Cost of books and supplies in stock, Jan. 1, 1892,	137.05
	$3,105.43
Cost of books and supplies charged to schools, 1892,	$2,916.20
Cost of books and supplies in stock, 1893,	189.23
	$3,105.43

Disbursements to the several schools, and otherwise, are as follows:

High school,	$534.59
Fifth Street Grammar school,	159.10
Middle Street " "	223.83
Parker Street " "	274.29
Thompson Street " "	148.12
Harrington Training "	100.81
Acushnet Avenue Primary school,	88.96
I. W. Benjamin " "	114.26
Cedar Street " "	77.43
Cedar Grove Steeet " "	109.40
Cannonville " "	18.68
Dartmouth Street " "	123.02
Fourth Street " "	58.13
Linden Street " "	60.80
Merrimac Street " "	33.35
Maxfield Street " "	32.55
William Street " "	50.66
Acushnet "	37.95
Clarks Point "	.75
North "	3.79
Plainville "	10.42
Rockdale "	9.90
North Mill "	16.43
South Mill "	49.27
Care of musical instruments, etc.,	335.85
Express and freight,	66.78
Pedagogical library,	37.39
Manual training,	8.55
Covering books, etc.,	129.14
Primary department,	2.00
Stock on hand, Jan. 1, 1893,	189.23
	$3,105.43

DETAILED STATEMENT.

Outlay by the School Committee from the income of the Sylvia Ann Howland fund, from Jan. 1, 1892, to Jan. 1, 1893.

BOOKS AND PERIODICALS.

American Book Co.,	$47.42
Boston School Supply Co.,	79.00

Educator, The,	$21.25	
Educational Publishing Co.,	35.70	
Ginn & Company,	53.08	
Goldthwait, William M.,	3.40	
Hutchinson, H. S. & Co.,	103.66	
Houghton, Mifflin & Co.,	24.63	
Heath, D. C. & Co.,	32.42	
Inman, H. S.,	24.00	
Knowlton, D. H. & Co.,	2.80	
Lee and Shepard,	93.03	
Leach, Shewell & Sanborn,	9.83	
Lothrop, D. & Co.,	10.82	
Mason, Perry & Co.,	73.30	
Miller, Samuel E.,	49.50	
Silver, Burdett & Co.,	44.25	
Small, Willard,	9.00	
Schoenhof, Carl,	41.30	
Taber, Robert W.,	81.16	$839.55

PEDAGOGICAL LIBRARY.

Appleton, D. & Co.,	$9.10	
American Book Co.,	14.92	
Hutchinson, H. S. & Co.,	6.00	
Hatch, Wm. E.,	5.00	
Kirkwood, L. J.,	.34	
Lee and Shepard,	.93	
Taber, Robert W.,	1.10	37.39

MANUAL TRAINING.

Bliss and Nye,	$5.00	
Caproni, P. P.,	1.75	
Haskell and Tripp,	5.85	
Whiting, E. B. & Co.,	2.70	15.30

MUSIC DEPARTMENT.

Ginn & Company,	$28.50	
Peirce, George,	436.00	
Richter, George H. & Co.,	14.85	
Silver, Burdett & Co.,	247.51	726.86

BINDING AND COVERING BOOKS.

Gammons, Lottie M.,	$22.20	
Gibbs, Elizabeth,	21.35	
Holden Patent Book Cover Co.,	250.95	
Hathaway, Lottie,	11.10	
Kane, D. J. and Bro.,	53.04	

Merrick, Emma J.,	$19.15	
Perry, George S. & Co.,	27.00	
Potter, Hattie,	23.30	
Watrons, Joseph,	15.00	
Wing, Charles F.,	13.50	$456.59

PRIMARY DEPARTMENT.

Anthony, E. & Sons,	$4.50	
Hayes, N. P.,	82.50	
Hutchinson, H. S. & Co.,	.75	
Perry, George S. & Co.,	115.13	202.88

APPARATUS.

Bliss & Nye,	$1.23	
Blake, James E.,	.50	
DeWolf & Vincent,	.24	
Eimer & Amend,	133.32	
Hathaway, Nathan,	1.10	
Hutchinson, H. S. & Co.,	3.50	
Haskins, Charles N.,	11.80	
Perry, George S. & Co.,	9.00	
Ritchie, E. S. & Sons,	4.65	
Richards, George D.,	9.45	
Sherman, C. R. & Son,	8.52	
Sherman, J. H.,	6.00	
Taber, Robert W.,	1.00	
Wright Drug Company,	3.90	
Wood, Brightman & Co.,	.59	194.80

EXPRESS AND FREIGHT.

Allen's Express Co.,	$.25	
Gray, Charles A.,	9.60	
Hatch & Company,	32.05	
Jennings, William A.,	24.88	66.78

MISCELLANEOUS.

Boston School Supply Co.,	$32.00	
Ellis, Leonard B.,	2.60	
Heath, D. C. & Co.,	14.93	
Hutchinson, H. S. & Co.,	.75	
Hammett, J. L.,	63.00	
Hayes, N. P.,	30.25	
Kane, D. J. & Bro.,	.50	
Lumbard, A. M.,	60.00	
McAllister, T. H.,	40.95	
Mason, Perry & Co.,	2.00	

Perry, George S. & Co.,	$106.02	
Silver, Burdett & Co.,	33.60	
Taber, Robert W.,	14.25	
Taber, Charles & Co.,	27.38	$428.23
		$2,968.38

The expenditures from the income of the Sylvia Ann Howland fund are scrutinized with great care by the School Committee, and appropriations are made only for such objects as appear to come under the terms of the bequest. Such bequests, however, must be interpreted liberally, and it has so been ruled by the higher courts.

One of the heaviest items of expense annually in this account is the cost of musical instruction in the schools. This expense is met wholly from the income of the Howland fund, except the salary of the special instructor, because music is not required by the laws of the State to be taught in the schools. Pianos and organs for the various schools are purchased from this fund and the care of the same paid from it. There are at present nine pianos and seventy-one organs in the schools. All the music books are bought from this fund. Reference books and books to supplement the various regular text-books, as well as illustrative apparatus of all kinds, are purchased from this fund, and form the chief remaining items of outlay. Now and then some small expenditure is made at which hypercritical persons are inclined to cavil, but there is very little just cause for criticism.

The Committee is never unmindful of its duty in administering this trust, and strive to carry out its provisions legally and for the best interests of the schools.

TEXT-BOOKS AND SUPPLIES.

STATEMENT.

Cost of books and supplies purchased during 1892,	$4,164.02
Cost of books and supplies in stock, Jan. 1, 1892,	1,431.89
	$5,595.91

Cost of books and supplies charged to schools in 1892,	$3,962.20
Cost of books and supplies in stock, Jan. 1, 1893,	1,613.14
Cash receipts from sale of books and supplies,	20.57
	$5,595.91

The cost in detail of books and supplies furnished the several schools for the year 1892, is as follows:

	Supplies.	*Books.*	*Total.*
High school,	$467.32	$170.28	$637.60
Fifth Street Grammar school,	339.16	108.93	448.09
Middle Street " "	262.95	203.27	466.22
Parker Street " "	281.31	405.67	686.98
Thompson St. " "	162.11	106.63	268.74
Harrington Training "	97.72	26.67	124.39
Acushnet Avenue Primary school,	60.52	43.57	104.09
I. W. Benjamin " "	117.36	41.71	159.07
Cedar Street " "	60.91	30.55	91.46
Cedar Grove Street " "	79.48	20.33	99.81
Cannonville " "	16.87	2.40	19.27
Dartmouth Street " "	93.08	46.42	139.50
Fourth Street " "	56.22	55.82	112.04
Linden Street " "	41.64	19.38	61.02
Merrimac Street " "	30.00	9.07	39.07
Maxfield Street " "	30.43	9.98	40.41
William Street " "	32.49	28.16	60.65
North Mill "	7.93	29.41	37.34
South Mill "	5.85	9.70	15.55
Acushnet "	18.74	19.58	38.32
Clarks Point, "	14.93	14.50	29.43
North "	14.79	5.72	20.51
Plainville "	12.56	6.13	18.69
Rockdale, "	15.98	18.21	34.19
Cedar Grove Street Evening "	8.30		8.30
Fifth Street " "	6.62		6.62
Merrimac Street " "	7.67	33.11	40.78
Parker Street " "	2.24	8.75	10.99
Thompson Street " "	5.17	13.12	18.29
Evening Drawing "	111.49		111.49
Office Superintendent of Schools,	13.29		13.29
	$2,475.13	$1,487.07	$3,962.20

The average cost per pupil in the different departments of the schools, for books and supplies, has been as follows:

High school,	$1.73
Grammar schools,	1.17
Primary schools,	.33
Country schools,	.68
Mill schools,	.57
Average for day schools,	$.69
" Evening Elementary schools,	.09
" Evening Drawing school,	1.91

The sum expended for books and supplies for the year 1892 was but $54.17 more than for the year 1891, although there were more than three hundred additional pupils in the schools. The average cost per day pupil was sixty-nine cents, four cents less per pupil than for the preceding year; for an Evening Elementary school pupil, nine cents per pupil, or two cents per pupil less; for an Evening Drawing school pupil, eight cents a pupil more; but as there are but few pupils in the Evening Drawing school, the latter increase meant the expenditure of not more than five dollars in excess of the year before. The table above shows the expense per pupil in each department.

Under the free text-book system there is increased efficiency in the schools and a great saving of money. As the matter is now handled the cost is reduced to a minimum. The books and supplies are carefully distributed and preserved. The average life of a book in constant use is from three to five years. The length of time for which a book may be used varies both with the kind of usage and the size of the book.

Pupils, as a rule, take very good care of their books and utensils, and the teachers feel that it is part of their duty

to guard against loss and waste. When the fact is recognized that for an expenditure of sixty-nine cents per pupil all the regular text-books, all the slates, paper, pens, ink, drawing material, etc., are supplied, it will be granted that economy and care are exercised in distribution and use. Pupils who lose or willfully destroy or deface their books are compelled to pay for them.

The law which compelled cities and towns to furnish free text-books and supplies to the pupils of the public schools has in its operation proved to be a wise and beneficent one.

SCHOOL HOUSES AND GROUNDS.

Some idea may be gained of the changes that have occurred in the schools of our city during the last thirty years from the one fact that while there are three times as many pupils in the city as there were thirty years ago and twice as many in the public schools, the number of buildings occupied by the public schools is exactly the same now as then, namely, twenty-two.

Three times as many pupils in the city, the same number of school houses, — in this fact alone is revealed great changes. Had the same policy been pursued during the last thirty years as before that time, and no pupils had been withdrawn into parochial schools, the city would now be supporting sixty-six school houses instead of twenty-two; and yet the question is sometimes asked, "Why does it require so much more to care for the school houses of the city to-day than it did thirty years ago?"

One who asks such a question cannot be aware that while the twenty-two school buildings owned by the city thirty years ago contained only about eighty rooms, those of to-day contain one hundred fifty-two rooms. Neither can he know that in the present buildings are housed more

than twice as many pupils; that while the majority of the former buildings were cramped in all their appointments, the modern ones are roomy, having broad hallways, wide stairways, easy of ascent, as well as more of them; that they are equipped with better systems of heating and ventilating; that they are better lighted, and furnished with many things that preserve the health of teachers and pupils and add to their comfort.

When all these things are considered, the question, Why is the cost of maintenance so much greater? answers itself. For every added convenience and comfort costs, whether in the home or the school. Good sidewalks, good streets, sewers, and all the other things that add to public convenience and safety cost much to construct and maintain; but they are considered absolutely necessary to the welfare and prosperity of modern civilized communities. And the modern school houses, if they do cost more to put up and maintain than those of the old style, are now considered necessary to the health and comfort of the children of the community.

It is true, however, that the chief points to be considered in building new school houses are: First, that the sites chosen for them be dry and healthful, and, if possible, have pleasant surroundings; second, that the buildings be substantial and safe structures, well-lighted and properly heated and ventilated. Safety and convenience should never be sacrificed to ornamentation. Certainly money should not be expended in building school houses elaborate in design, if the school department is to be cramped thereby in its expenditures for the more essential matter of instruction.

The present condition of the school houses of the city is in the main good. The Fourth street and William street buildings are the most unsuitable of any. The Fourth street building and the Acushnet avenue building, which

furnish accommodations for pupils of adjoining districts, are also too small to meet the demands made upon them. For the past year two basement rooms have been occupied in the Acushnet Avenue school and a class of thirty-five has been located in one of the corridors. An eight or ten-room building located on the Fourth street lot would relieve the present undesirable condition of affairs in the Fourth Street school and in the Acushnet Avenue school.

Upon the completion of the new building on the Kempton street lot, the pupils will be transferred to it from the William Street school and that building can be abandoned or remodeled for other purposes. As the School Committee rooms and the offices of the Superintendent of Schools are now located in a rented building, the lease of which expires in another year, it might be advisable either to alter over the William street building for school offices or remove the present building and build a new one upon the lot for that purpose.

The school houses in the south part of the city are now taxed nearly to their capacity. If another room is finished off in the attic of the Dartmouth street building this summer, the demands may be met for a year longer in this section of the city, as there is a vacant room in the third story of the Thompson street building and a portion of the hall in the I. W. Benjamin school is not yet in use.

An addition is being put on the Cedar Grove Street school house which will make it a fifteen-room building, the largest in the city. Its completion will permit a readjustment of the schools in the north part of the city and the surrender of the store and church which have been rented for some time. The building is to be heated and ventilated by the Fuller-Warren system, which, although it was not the choice of the School Committee, is said to do effective work. It certainly should, for it is very expensive and requires a great deal of space.

The North school has been enlarged from a one-room to a two-room building, and the whole building is now heated by a furnace. Also a room was built in the third story of the Dartmouth Street school. New sanitaries of the Smead patent have been placed in the Fifth Street and the Middle Street school houses. These latter changes were costly to make but were necessary, and the systems in operation meet with the approval of the Board of Health.

Several of the school yards have been covered with stone screenings, as recommended in the Report last year, making them much more suitable for play grounds. One hundred shade trees have been set out about the school grounds and the surroundings of several of the school houses made attractive in different ways.

The school buildings require a considerable outlay each year in ordinary repairs and refurnishing. The usual amount has been done during the past year, and over all such expenditures the Committee exercises a careful oversight.

For the various sub-committees.

WM. E. HATCH,
Secretary.

In School Committee,
December 29, 1892.

On motion of Mr. Godfrey:

Voted unanimously, That the thanks of this Board are hereby tendered to his Honor, the Mayor, for his uniform courtesy and kindly intentions manifested toward this Board during his administration.

On motion of Mr. Tompkins:

Voted unanimously, That the thanks of this Board are due and are hereby tendered to the Vice-Chairman, William H. Pitman, for his courtesy as presiding officer and his prompt attendance at all meetings.

On motion of Mr. Sayer:

Voted unanimously, That the thanks of this Board are due and are hereby tendered to our Secretary and Superintendent, William E. Hatch, not only for his uniform courtesy and kindness to this Board, but for his interest manifested in our schools. No obstacle seems too great for him when he can advance the interests of the department.

HIGH SCHOOL GRADUATION EXERCISES.

No graduation exercises were held this year, as the schools were closed two weeks earlier than usual, owing to the prevalence in the city of dangerous epidemic diseases.

GRADUATES, 1892.

RECIPIENTS OF DIPLOMAS.

Zenas Marston Briggs,
Charles Frank Connor,
Theodore Chadwick Gifford,
Arthur Ingraham,
Winthrop Curtis Knowles,
James Sherwood McIntyre,
Mark Henry McIntyre, Jr.,
George Washington Paine, Jr.,
Frederick Talcott Roach,
Frederick James Russell,
John Rudolph Thuman,
Benjamin Clark Tripp,
Annie Seabury Allen,
Mary Abby Allen,
Sophie Thomas Anthony,
Lucia Ella Bliss,
Leona May Bosworth,
Della May Butler,
Susan Elizabeth Rodman Butts,
Bertha Frederick Carl,
Abbie Maria Church,
Lottie Taber Cole,
Mabel Lawrence Davis,
Florence Evelyn Farwell,
Susan Rawson Gardiner,
Lizzie Dexter Hicks,
Alice Frank Howland,
Margaret Estelle Howland,
Ruth Emily Howland,
Lydia Hathaway Hunt,
Etta Francis Lawrence,
Jennie Stowell Lewis,
Allie Whitfield Omey,
Maud Elizabeth Palmer,
Nellie Bradford Tillson,
Mary Lothrop Webster,
Mattie Ellen Williams,
Martha White Wood.

RECIPIENT OF CERTIFICATE.

Leroy Franklin Bliss.

NEW BEDFORD PUBLIC SCHOOLS.

RATES OF TUITION FOR NON-RESIDENT PUPILS, 1893.

	First Term.	Second Term.	Third Term.	For the Year.
High school,	$19.40	$13.87	$22.18	$55.45
Grammar schools,	9.53	6.81	10.90	27.24
Primary schools,	7.40	5.28	8.45	21.13
Ungraded schools,	12.17	8.69	13.90	34.75
Evening Drawing school,				14.82

RULES GOVERNING TEACHERS' SALARIES.

	Maximum.	Minimum.
Principal of High school,	$2,750	
Sub-master of "	1,600	
Teacher of science of "	1,500	
Lady assistants of "	900	$650
Teacher of drawing and assistant in English at High school,		650
Military instructor of High school,	300	
Principals of grammar schools,	1,900	
Assistants of grammar schools,	600	425
Principals of primary schools,	600 to 775	
Assistants of primary schools,	550	375
Principal of Training school,	1,300	
Assistant principal of Training school,	850	
Seniors in Training school,	4 per week.	
Juniors in Training school,	3 "	
Ungraded schools,	525 to 700	
Principals of evening schools,	3 per night.	
Assistants of evening schools,	1.37½ "	
Supervisor of drawing in grammar and primary schools,	1,200	
Supervisor of music,	1,700	
Teacher of sewing,	550	
Assistants at the rate of	491	

The salary of a primary school principal of a four-room building is $600 per year, which is increased at the rate of $25 for each additional room.

The salaries of assistant teachers in the High school are increased at the rate of $50 per year until the maximum is reached.

The minimum yearly salary of a grammar school assistant is fixed at $425, and the yearly advance is $25 per year until a yearly salary of $500 is reached; the annual increase is then $50 per annum until the maximum ($600) is reached.

The minimum yearly salary of a primary school assistant is fixed at $375, and the yearly advance is $25 per year until a yearly salary of $450 is reached; the annual increase is then $50 per annum until the maximum ($550) is reached.

DEPARTMENT OF PUBLIC SCHOOLS.

BRIEF DESCRIPTION OF THE SCHOOL HOUSES, WITH THEIR ACCOMMODATIONS AND CONDITIONS.

	SCHOOLS.	Material.	No. of Stories.	No. of School Rooms.	No. of Recitation Rooms.	No. of Assembly Halls.	No. of Seats.	CONDITION.
1	Acushnet Avenue,	Brick.	2	8			427	Good.
2	Acushnet,	Wood.	2	3			114	Good.
3	I. W. Benjamin,	Brick.	3	10		1	537	Good.
4	Cedar Street,	Wood.	2	6			287	Good. [enlarged.
5	Cedar Grove Street,	Brick.	3	8			406	Good. Is being
6	Cannonville,	Wood.	2	2			82	Fair.
7	Clarks Point,	Wood.	1	1			35	Fair.
8	Dartmouth Street,	Wood.	2	7			341	Good.
9	Fifth Street,	Brick.	3	10		1	490	Good.
10	Fourth Street,	Wood.	2	6			297	Old and poor.
11	High,	Brick.	3	9	4		407	Good.
12	Harrington Training,	Brick.	3	8		1	371	Good.
13	Linden Street,	Wood.	2	4			232	Fair.
14	Middle Street,	Brick.	3	9		1	419	Good.
15	Merrimac Street,	Brick.	2	6			255	Good.
16	Maxfield Street,	Brick.	2	4			240	Good.
17	North,	Wood.	1	2			72	Good.
18	Parker Street,	Brick.	3	12		1	568	Good.
19	Plainville,	Wood.	1	1			28	Fair.
20	Rockdale,	Wood.	1	2			55	Good.
21	Thompson Street,	Brick.	3	9			426	Good.
22	William Street,	Wood.	2	4			181	Old and poor.

DEPARTMENT OF PUBLIC SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 4, 1892, ENDING DECEMBER 23, 1892.

	NAME OF SCHOOL.	Total Enrollment for Year.	Average No. Belonging.	Average Daily Attendance.	Per cent. of Attendance.	Total Half-Days' Absence	No. Cases of Tardiness.	No. Cases of Dismissal.	No. Cases of Truancy.	No. Cases of Corporal Punishment.	Half-Days Teachers were Absent.	Times Teacher was Tardy.	No. Visits by Superintend't.	No. Visits by Members Com.	No. Visits by Parents and Others.
1	High,	507	367.5	349.1	95	3,531	592	1,421	4	1	78	52	19	143	500
2	Fifth Street Grammar,	523	401	369	92	12,702	1,074	1,124	19	70	37	11	43	75	222
3	Middle " "	481	374.5	345.1	92.6	10,318	1,005	635	16	85	20	9	28	72	189
4	Parker " "	660	535	490.7	91.8	16,172	1,520	941	21	19	299	28	50	91	402
5	Thompson" "	261	200	182	91	6,746	291	187	10	28	26	4	31	69	154
6	Harrington Training,	365	311.8	276 3	88.7	12,959	1,238	460	2	63	446	23	29	52	534
7	Acushnet Ave. Primary,	460	402	356	88	15,271	1,157	578	9	81	12	9	41	20	23
8	I. W. Benjamin "	654	527	471	89	18,514	949	5,658	19	108	404	8	27	53	120
9	Cedar Street "	287	253	227.1	90	9,563	354	213	8	48	37	9	12	9	94
10	Cedar Grove St. "	504	339.2	290.7	86	16,903	632	2,629	11	27	28	2	33	18	28
11	Cannonville "	70	60.2	52.3	86.8	2,767	200	73		13	5	14	4		42
12	Dartmouth Street "	342	321	285	89	11,333	633	435	16	75	37	4	30	1	141
13	Fourth Street "	289	261	225	86	13,913	651	494	18	61	155	13	20	9	50
14	Linden Street "	208	196.7	173.3	88	7,655	403	2,054	5	42	54		26	11	19
15	Merrimac Street "	147	121	107	89.5	5,280	212	486	2	6	12	2	15	18	54
16	Maxfield Street "	218	173.2	151.6	88	7,809	576	230	5	59	1		13	11	61
17	William Street "	172	151	130	87	6,756	388	73	1	23	40	1	8	4	31
18	Thompson Street "	87	88	81	92	2,666	111	186		8	1		18	18	89
19	Acushnet,	97	81	74	91	2,873	250	70		7	40	2	6	6	53
20	Clarks Point,	38	29	24	83	1,839	219	240		23	8	10	3	1	
21	North,	52	40	39	91	1,072	37	36	2		32	1	3	1	10
22	Plainville,	22	21	16.9	81	1,459	57	93	3	23	5		5	1	17
23	Rockdale,	39	33.9	29.6	87.3	2,085	122	39		11			6	1	38
24	North Mill,	116	47.4	40	84 8	2,358	145	43	18	11	1	12	7	15	
25	South Mill,	114	44	37	85	1,991	39	24	2	19	15	1	8	13	31
	Grand totals,	6713	5379.4	4822.7	89.6	194,535	12,855	18,422	191	911	1,793	215	485	712	2,902

EVENING SCHOOLS.

REPORT FOR THE YEAR BEGINNING JANUARY 4, ENDING DECEMBER 23, 1892.

NAME OF SCHOOL.	Total Enrollment for Year.	Average No. Belonging.	Attendance. Nightly Average	Per cent. of Attendance.	Total Nights' Absence.	No. Cases of Tardiness.	No. Visits by Superintendent.	No. Visits by Members Com.
Cedar Grove Street Evening,	514	215	255	72.1	3,665	352	11	87
Fifth Street "	586	332	140	72.2	5,060	531	4	9
Merrimac Street "	406	149.2	105.6	78.5	1,536	121	4	16
Parker Street "	218	100.2	77.6	76.4	1,201	61	4	19
Thompson Street "	468	174.9	124.9	71.4	3,414	96	4	9
	2192	971.3	703.1	72.3	14,876	1,161	27	140
Evening Drawing,	124	58.2	45.5	78.2			3	3

CALENDAR, 1893.

Winter term begins Jan. 9, 1893; ends April 14, 1893.
Summer term begins April 24, 1893; ends June 30, 1893.
Fall term begins Sept. 5, 1893; ends Dec. 22, 1893.

VACATIONS.

April 15, 1893, to April 23, 1893.
July 1, 1893, to Sept. 4, 1893.
Dec. 23, 1893, to Jan. 7, 1894.

HOLIDAYS.

Every Saturday; Washington's Birthday; Fast Day; Memorial Day; Labor Day; from Wednesday noon before Thanksgiving, the remainder of the week.

SCHOOL SESSIONS.

From March 1 to November 1, 9 A. M. to 11.30 A. M., and 2 P. M. to 4 P. M., in the grammar schools; 9 A. M. to 12 M., and 2 P. M. to 4 P. M., in the primary schools.

From November 1 to March 1, the afternoon sessions are from 1.30 o'clock to 3.30 o'clock, in the grammar and primary schools.

High school, 8.30 A. M. to 1.30 P. M., during the whole year.

The signal 22 (that is, two strokes, an interval, and the two strokes repeated) sounded on the fire alarm at 8.15 A. M. will indicate no school in the primary and grammar grades and the Acushnet school in the forenoon. The same signal sounded at 12.45 P. M. will indicate no school in the primary and grammar grades and the Acushnet school in the afternoon. If the signal is sounded at 8.15 A. M. and not repeated at 12.45 P. M., there will be a school session in the afternoon. This regulation does not apply to the High school or to the country schools except the Acushnet school.

SCHOOL BOARD, 1892.

CHARLES S. ASHLEY, Mayor, Chairman, *ex-officio*.

WILLIAM H. PITMAN, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

WILLIAM G. KIRSCHBAUM, President of Common Council, *ex-officio*.

Ward 1—John H. Lowe, Luther G. Hewins, Jr., Anna R. Borden.
Ward 2—Isaac B. Tompkins, Jr., Frank A. Milliken, Thomas Mack.
Ward 3—William R. Channing, William H. Pitman, Stephen H. Shepherd.
Ward 4—William E. Brownell, Seth W. Godfrey, George H. Dunbar.
Ward 5—Jonathan Howland, Jr., William L. Sayer, Fred. A. Bradford.
Ward 6—Betsey B. Winslow, Francis M. Kennedy, Thomas Donaghy, Jr.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

On High School—Dunbar, Miss Winslow, Mrs. Borden, Pitman, Tompkins, Shepherd, Mack, Hewins.

On Grammar Schools—Tompkins, Pitman, Howland, Bradford, Dunbar, Mrs. Borden, Lowe, Sayer, Milliken.

On Primary Schools—Shepherd, Pitman, Tompkins, Miss Winslow, Hewins, Kennedy, Godfrey, Channing, Mrs. Borden.

On Country Schools—Lowe, Donaghy, Mack, Hewins, Brownell, Channing.

On Training School—Pitman, Hewins, Kennedy, Milliken, Sayer, Channing, Brownell.

On Truants—Donaghy, Kennedy, Bradford, Godfrey, Sayer, Milliken.

On Mill Schools—Mrs. Borden, Howland, Lowe, Donaghy, Bradford, Godfrey, Brownell.

On Evening Schools—Kennedy, Lowe, Mack, Donaghy, Godfrey, Milliken, Channing.

On Music—Bradford, Sayer, Milliken, Godfrey, Shepherd, Brownell.

On Manual Training—Sayer, Miss Winslow, Donaghy, Dunbar, Mack, Godfrey, Kennedy, Mrs. Borden, Hewins.

On Examination of Teachers—Dunbar, Kennedy, Miss Winslow, Mrs. Borden, Hewins, Pitman.

On Text-Books—Pitman, Kennedy, Mack, Milliken, Sayer, Brownell.

On Expenditures—Howland, Tompkins, Pitman, Bradford, Mack, Lowe, Donaghy, Shepherd, Kirschbaum.

On Howland Fund—Howland, Tompkins, Dunbar, Pitman, Bradford, Kennedy, Shepherd, Kirschbaum.

On Rules—Pitman, Dunbar, Howland, Tompkins.

On Pay-Rolls—Tompkins, Howland, Mack.

SCHOOL BOARD, 1893.

JETHRO C. BROCK, Mayor, Chairman, *ex-officio*.

WILLIAM H. PITMAN, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.
Office, 133 William street.
Office Hours, 8½ to 9 A. M., 12½ to 1 P. M. Saturdays, 9 to 9½ A. M.

SAMUEL C. HART, President of Common Council, *ex-officio*.
Regular meetings of the Board, first Monday of each month, at 7.30 P. M.

Ward One.

Name.	Place of Business.	Residence.
Anna R. Borden,		Ashland and Austin sts.
John H. Lowe,	925 Acushnet avenue,	931 Acushnet avenue.
Lewis E. Bentley,	Bennett Mill.	40 Bowditch street.

Ward Two.

Edward T. Tucker,	285 Pleasant street,	285 Pleasant street.
Isaac B. Tompkins, Jr.,	78 Union street,	691 County street.
Frank A. Milliken,	43 William street,	290 Pleasant street.

Ward Three.

Stephen H. Shepherd,	Standard Office,	84 Maxfield street.
William R. Channing,	192 Union street,	91 Mill street.
William H. Pitman,	Five Cents Savings Bank,	60 Chestnut street.

Ward Four.

George H. Dunbar,		179 William street.
William E. Brownell,	271 Union street,	271 Union street.
Seth W. Godfrey,		17 Bethel street.

Ward Five.

Robert W. Taber,	Purchase and High sts.,	48 Fifth street.
Jonathan Howland, Jr.,		54 Russell street.
William L. Sayer,	Mercury Office,	76 So. Sixth street.

Ward Six.

Joseph C. Pothier,	246 Fourth street,	246 Fourth street.
Betsey B. Winslow,		315 County street.
Francis M. Kennedy,	Eddy Building,	91 Washington street.

EMMA M. ALMY, Superintendent's Clerk.

HENRY SMITH, Truant Officer, 372 Cottage street.
Office Hours, 12½ to 1 P. M.; Saturdays, 9 to 9½ A. M.

GEORGE K. DAMMON, Assistant Truant Officer, 137 Smith street.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each standing committee is Chairman of the same.

On High School—Pitman, Dunbar, Miss Winslow, Mrs. Borden, Tompkins, Shepherd, Sayer, Howland.

On Grammar Schools—Tompkins, Pitman, Howland, Dunbar, Mrs. Borden, Lowe, Sayer, Milliken, Channing.

On Primary Schools—Shepherd, Pitman, Tompkins, Miss Winslow, Kennedy, Godfrey, Channing, Mrs. Borden, Tucker.

On Country Schools—Lowe, Brownell, Taber, Bentley, Pothier, Tucker.

On Training School—Pitman, Kennedy, Milliken, Sayer, Channing, Brownell, Miss Winslow.

On Truants—Godfrey, Channing, Milliken, Pothier, Bentley.

On Mill Schools—Mrs. Borden, Howland, Lowe, Godfrey, Brownell, Bentley.

On Evening Schools—Kennedy, Lowe, Godfrey, Milliken, Channing, Tucker, Bentley.

On Music—Milliken, Godfrey, Shepherd, Brownell, Taber, Pothier.

On Manual Training—Sayer, Miss Winslow, Dunbar, Godfrey, Kennedy, Mrs. Borden, Tucker, Pothier.

On Examination of Teachers—Dunbar, Kennedy, Miss Winslow, Mrs. Borden, Pitman, Tucker, Brownell.

On Text-Books—Pitman, Kennedy, Milliken, Sayer, Brownell, Taber.

On Expenditures—Howland, Tompkins, Pitman, Lowe, Shepherd, Kennedy, Milliken, Taber, Hart.

On Howland Fund—Howland, Tompkins, Pitman, Dunbar, Kennedy, Shepherd, Taber, Hart.

On Rules—Pitman, Dunbar, Howland, Tompkins.

On Pay-Rolls—Tompkins, Howland, Taber.

In Memoriam.

ELIZABETH W. STANTON, DIED, MAY 17, 1892.

Mrs. Stanton had served as a member of the School Board for ten years, and at the time of her death had an unexpired term of two years to serve.

The following resolutions were passed by the School Board in testimony of the worth and services of their colleague:

The School Board is again called upon to record the loss of a tried and valued member through the interposition of the Divine will.

In the death of Mrs. Elizabeth W. Stanton this Board is deprived of the counsels of one who was actuated by a conscientious endeavor to serve, with honor and fidelity, the public who had repeatedly chosen her as one of its representatives to conduct a most sacred trust.

Although possessed of a character framed on strong convictions, her opinions were always advanced with the modesty of one who recognizes the fallibility of human judgment. And in all her relations with the members of the Board she commanded their highest respect and esteem.

Mrs. Stanton was ever mindful of all the interests of the schools, but she considered most wisely that the welfare of the children was paramount to all other considerations.

The heartfelt sympathy of this Board is extended to the bereaved husband and children of the deceased in their great trial.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF SCHOOLS,

FOR THE YEAR 1892.

Report of the Superintendent.

To the School Committee:

Ladies and Gentlemen,—I hereby submit to you my fifth annual Report. It is the thirty-second of the series of Annual Reports of the Superintendent of Schools of the city. By a vote of your Board, this Report, together with that of the Secretary, is to constitute the Annual Report of the School Committee.

These annual reports, which contain certain facts concerning the condition of the schools, which portray in a measure the line of work they are doing, and, perhaps, include some suggestions as to needed improvements, appear to vary but little from year to year. In each last Report, as a rule, no startling change is shown to have occurred since the preceding one was issued, either in the general administration of the schools, or in the studies pursued in them, or in the methods of discipline and instruction. But an examination of any number of these Reports extending over a series of years reveals that forces have been at work constantly in the schools that either make or mar, just as in all the other spheres of life. The changes that were made from time to time were so slight, or so subtle, that they attracted, perhaps, little or no attention while they were being made, but the result as shown at the last is a marked change from previous condition.

Since the first Annual Report of the first Superintendent of Schools in this city was issued, changes so great have occurred in every department of the schools, that had he foretold them at the time he wrote, he would have been considered a visionary and a dreamer. The school buildings of thirty years ago, with their faulty arrangements, their poor methods of heating and ventilating, neither well lighted nor attractive, have been almost wholly superseded by far superior ones. New branches of study have been introduced, and now the training of the hand is linked to the development of the mind. Books and illustrative apparatus embodying the best thought of the day are free to the hand of every pupil. Teachers are required to be better prepared for their profession by a wider range of study and by special training. The methods employed in instruction are more rational, for they are based on principles that take into consideration to a greater extent than formerly the laws that govern mental growth and development.

Whatever may be said in favor of, or against these changes that have taken place in the schools, they have come by the will of the people, acting through their proper representatives. The mainspring of action that has produced them has been the belief that they were necessary to the welfare of the children, and to enable them to go forth from the school room well equipped to meet the rapidly varying conditions of the life of this generation.

The demands for greater security to life and health, for higher skill in dealing with the forces and materials of the physical world, for more of the comforts and conveniences of life for all persons while pursuing their daily vocations, — all of which exist in every other pursuit of life, — could not fail to seek recognition in the schools. They have found such recognition, and the result is a

large increase in the cost of educating each pupil as compared with that of thirty years ago.

Many are inclined to cavil at the increased expenditures and at the same time assert that the results now obtained by the schools are not commensurate with their greater cost. Whether the schools furnish more or less in proportion to the amount expended upon them than in a former generation is a most difficult thing to prove. The question furnishes a social problem that would require an immense amount of research before any just conclusions could be drawn. I doubt if it is possible at present to arrive at a satisfactory conclusion; that will be the province of future historians.

But it is safe to say that at no period of their existence have the schools of this country had more or a higher order of intelligence applied to their administration. Nor has there ever been a time in their history when they have been watched more closely by their critics. That they contain elements of weakness, their friends do not deny; but that they are accomplishing a useful and a noble work, they also claim. Their friends also feel that they are giving a grand return to the country for the amount expended upon them, even if it is greatly in excess of what was spent upon them per capita a generation ago. They will cost more in the future, rather than less, because they are yet to project their lines of development to meet the conditions of life of the age, which has not yet reached its highest extension. The demands of the schools will be met by the people with the same spirit in the future as in the past, and it will be the care of these their guardians, that they continue to furnish that for which they were organized.

The year just closed has been productive of some important changes and improvements in our schools, and a review of the whole field of work is quite satisfactory. This, too, notwithstanding the fact that there was an unusual amount of absence by pupils in the late spring and early summer on account of the prevalence of dangerous epidemic diseases, and that the schools were closed two weeks earlier than usual for the same cause.

The improvements that have been made or begun are on several different lines: Two school buildings are being enlarged, and a beautiful new building is being erected on Pleasant street, which is to accommodate the primary pupils now housed in the William Street school house, and is to furnish quarters for a cooking school and school in wood-working. The sanitaries in two of the large grammar school houses have been replaced by modern and most excellent systems, which are very effective in operation. The department of drawing has received a new impulse and the good results are already being felt; while some changes have been instituted in the course of study which will bring the instruction more in line with modern ideas. There are also other changes under consideration, which, if carried into effect, it is hoped and expected will prove a substantial benefit to the schools.

That which is the crying need, not only of our schools but of all others, is a sufficient supply of teachers possessing the knowledge to instruct intelligently in the many branches now required to be taught, — teachers imbued with the true teaching spirit, who are neither time-servers nor pedants; teachers who see in their pupils subjects for study and who realize that the duty of the teacher lies not simply in instilling facts into untutored minds, but in developing their pupils mentally, morally, and physically, in such a manner that in the future the powers with which these pupils were endowed may approximate at least the inherent possibilities of their natures.

ENROLLMENT AND ATTENDANCE OF PUPILS.

The reports for the year show a continued and large growth in the public schools, confined almost entirely, however, to the primary grades. An abnormal growth is reported also by the parochial schools. The main statistics of attendance in all the schools of the city for the past two years are given for the purpose of comparison:

PUBLIC SCHOOLS.

	1892.	1891.	Gain.
Enrollment,	6,713	6,383	330
Average number belonging,	5,379	5,024	355
Average daily attendance,	4,822	4,521	301
Per cent. of attendance,	90	89.6	.4

PRIVATE AND PAROCHIAL SCHOOLS.

	1892.	1891.	Gain.
Enrollment,	3,248	2,302	946
Average number belonging,	2,821	2,017	804
Average daily attendance,	2,430	1,855	575
Per cent. of attendance,	86	92	Loss, 6

PUBLIC, PRIVATE, AND PAROCHIAL SCHOOLS.

	1892.	1891.	Gain.
Enrollment,	9,961	8,685	1,276
Average number belonging,	8,200	7,041	1,159
Average daily attendance,	7,252	6,376	876
Per cent. of attendance,	88	90.8	Loss, 2.8

These statistics have been compiled from the returns made to me by the teachers of the private, parochial, and public schools. The reports from the public schools I know are substantially correct. While I believe that those from the other schools are intended to be correct, I am satisfied from the census returns of children of school age in the city that there is no such number of different pupils in attendance upon the schools of the city as reported.

Undoubtedly many pupils are reported twice, as many are constantly shifting back and forth between the parochial and the public schools.

The census officers reported 8,605 children between the ages of five and fifteen years as residing in the city last May. Of this number 5,163 were reported as attending the public schools, 2,300 as attending private and parochial schools, and 1,142 as attending no school. Those who are reported as attending no school are children between five and eight years of age who are not compelled by law to attend school, and those between fourteen and fifteen who are at work. The reports from the schools would indicate that nearly all the pupils reported by the census officers as not attending any school had been absorbed in the schools. This would be contrary to all precedent, and I cannot believe it to be the case.

The schools reporting the greatest gains are the two French parochial schools, the Sacred Heart and the St. Hyacinthe. The first reports an average number of 1,235 pupils belonging and a gain of 515 pupils; the second reports an average of 272 pupils belonging, a gain of 157. The St. Hyacinthe school has never been approved by the School Committee.

The public schools, while making large gains, did not make so great a gain as the year before by sixty pupils. This, however, was to be expected, as the census officers did not report so great a gain of pupils between the ages of five and fifteen this year as last by 344 children. The per cent. of daily attendance was a fraction less than the year before. It is not satisfactory. The cases of tardiness by pupils were somewhat less, but the dismissals were many more. There are by far too many of both for the good of the schools.

The cases of absence by teachers were doubled and the cases of tardiness were almost doubled. The causes of

absences of teachers may be classed under three heads: First, personal sickness; second, sickness in family and personal demands; third, leave of absence for purposes of improvement by travel or study. The large increase the past year was due chiefly to the last cause. The number of cases of tardiness by teachers is altogether too large and, I am sure, in many cases could have been avoided and should have been, for the sake of example to pupils, if for no other reason.

A detailed statement of attendance and other items of interest are given by schools in a table preceding the Report of the Superintendent.

TRUANCY.

The number of cases of truancy reported by the teachers is 197 for the year, or six more than last year. The truant officer reports but eighty-four cases investigated that he classifies as truancy. I can account for this discrepancy in the reports in one way only, that in many cases of truancy the truant returns to school before the case is investigated by the truant officer, and therefore does not appear on his list.

Truancy of course is chiefly confined to a class of pupils who have little or no home control or guidance. Where the out-of-school life of a truant is investigated by the officer or teacher, it is usually discovered that he is upon the street late and early, and that his habits are vicious in many respects. The unchecked truant usually becomes a criminal, for that within him which leads him to defy the school authorities is very apt to cause him to break the criminal statutes.

There have been seven commitments during the year, and there are at present in the Union Truant school thirteen truants from this city. One disobedient girl was

sentenced to the State Primary school. The reports of the truant officers give in detail their work for the year.

TRUANT OFFICER'S REPORT.

Schools visited,	1,297
Absences reported by teachers,	724
Absences without permission of parents,	84
Second offences,	30
Third offences,	19
Parents notified,	805
Arrests,	12
Prosecutions,	12
On probation,	1
Sentenced to Truant school,	6
Sentenced to State Primary school,	1
Taken to school from street,	21
Visits to mills,	65
Violations of labor law,	21

HENRY SMITH, Truant Officer.

ASSISTANT TRUANT OFFICER'S REPORT.

Schools visited,	461
Families visited,	27
Cases of absences investigated from evening schools,	893
Number visits to mills and mercantile establishments,	1,019
Violations of labor law,	29

GEORGE K. DAMMON, Assistant Truant Officer.

COMPULSORY SCHOOL LAWS AND EMPLOYMENT CERTIFICATES.

The statutes that relate to school attendance and the employment of minors, in this State, are comprehensive and rigid. They are made for the purpose of reducing ignorance and illiteracy on the one hand, and, on the other, to secure to every child under fourteen years of age who resides within the borders of Massachusetts the advantages of a common school education. These statutes cause

some individual hardship, but are made in the general interests of the community. In manufacturing centres like New Bedford the proper enforcement of these laws is difficult because there is a larger proportion of that class of people who try to avoid them than in other cities. Upon the School Committee and their executive officers rests the responsibility of enforcing these laws. If there were none except public schools, no trouble would be experienced in enforcing them. But with a large number of pupils in attendance upon private and parochial schools there is difficulty in enforcing them equably and justly.

Without going into the details of this matter, it is sufficient for me to state here that, owing to the fact that only two of the private schools in the city have ever been approved by the School Committee, I am compelled to refuse certificates to pupils from those schools that are not approved when they desire to work. I am satisfied that certificates have been issued to some who under the law were not entitled to them. Again, as the matter now stands, the laws of attendance are enforced unequally, the pupils who attend the public schools being held strictly to account, while those attending other schools are not, for I have no means of ascertaining definitely whether pupils who attend the latter schools have complied with the laws or not.

I respectfully submit these matters to the consideration of the School Committee with the hope that they will receive its early attention.

I have treated the subject of employment laws and certificates quite fully in previous reports, giving the laws and explaining their operation. I do not propose to do so this year. That some idea may be given of the varied character of our population and of the amount of time that is given to issuing these certificates, I give certain facts that are interesting:

Number of certificates issued,		698
For the first time,	673	
Duplicates,	25	698
Birthplace of those to whom certificates were issued:		
United States,	276	
Canada,	162	
England,	85	
Portuguese colonies,	78	
Germany,	21	
Ireland,	19	
Russia,	13	
Scotland,	10	
Prince Edward Islands,	5	
France,	3	
Wales,	1	673

Of those born in the United States nearly all were of foreign-born parentage. The parents of 273 of these children could not sign their own names. Many of the children to whom certificates were issued could not read in English, and a number could neither read nor write in any language. Certificates are issued only to persons under sixteen years of age and over fourteen, when they have been to school thirty weeks since they were thirteen, provided they have resided in the city or town one year. The following is the form of certificate that is issued. A duplicate of each certificate issued is kept on file in the office.

AGE AND SCHOOLING CERTIFICATE.

LAW OF 1888.

THIS CERTIFIES, That I am the of
and that was born at in the county of
State of on the and
is now old. Signature, .
Date 189 . City of New Bedford, Mass.

Then personally appeared before me, the above named
and made oath that the foregoing certificate by
signed is true to the best of knowledge and belief.
I hereby approve the foregoing certificate of

height, complexion, hair, having no sufficient reason to doubt that is of the age therein certified; (and I hereby certify that can read at sight, and can write legibly simple sentences in the English language, and that has attended the public day school according to law for weeks during the year next preceding this date, and that the last thirty weeks of such attendance began)

This certificate expires

Signature,

Official authority, Supt. Schools.
City of New Bedford, Mass.

Date, 189 .

An Act in relation to the Age and Schooling Certificates of Children employed in Factories, Workshops, and Mercantile Establishments.

SECTION 1. This certificate belongs to the person in whose behalf it has been drawn, and it shall be surrendered to him (or her) whenever he (or she) leaves the service of the corporation or employer holding the same; and any such corporation or employer refusing to so deliver the same shall be punished by a fine of ten dollars.

SECTION 2. Any corporation or employer holding any age or schooling certificate, enumerated in section four of chapter three hundred and forty-eight of the acts of the year eighteen hundred eighty-eight, and refusing to deliver the same to the person in whose behalf it has been drawn, when such person shall leave the employ of said corporation or employer, shall be punished by a fine of ten dollars.

PRIMARY SCHOOLS.

The gain in the average number of pupils belonging in these schools for the year was 365. There were six teachers added to the primary corps of teachers in consequence of this increase. The average number of pupils to a teacher was forty-four. If a number of pupils had not been withdrawn from the Cedar Grove Street school in September a greater increase would have been shown. It has been necessary to house several classes in rented buildings while the Cedar Grove Street school house is being enlarged, and one more teacher has been employed than would have been required if proper school rooms had been available.

The most serious obstacle to progress in these schools is the great amount of absence and the numerous dismissals. No exertion on the part of the teachers seems to remedy these matters. It is not an unusual occurrence to have fifteen per cent. of the pupils absent from many rooms for whole months, and, at times, the percentage of absence is much greater. Many pupils are dismissed each day to carry dinners and to do other errands. Children who lose the most time are those who can least afford it. They have few home advantages and, as a rule, are not apt at learning. The majority of children who are dismissed regularly to carry dinners attend schools located in the mill districts. These constant interruptions and absences affect not only the pupils in question but the schools where these things prevail suffer as a whole. I have done all within my power to aid the teachers in checking these evils; but some definite action of the Committee and the coöperation of the thoughtful parents of each district will be necessary before the desired results are accomplished.

Discipline is made more difficult in these schools than in those of many places, because in many districts there is a heterogeneous population. Children are constantly entering who are much older than the pupils of the grade, and many, upon entering, speak little or no English. The difficulties of governing and teaching are both increased thereby. Yet, upon the whole, the prevailing spirit is most excellent. The teachers generally recognize that good progress is made only when the pupils in a great measure govern themselves and act from right motives. Harsh treatment should find no lodgment in any school, but, of all others, not in these grades. Neither should any pupil be punished until he is made aware of his fault and the teacher is reasonably sure that the punishment, of whatsoever nature, is

deserved, and will have the effect of benefiting the pupil. The majority of the teachers recognize the underlying principles of just government and practice them. But several, if they recognize them, fail in practice. They are either too lax in their discipline and thereby cause their pupils to acquire habits that in the future must either be eradicated or work them harm; or, by harsh and martinet methods, they repress in their pupils the spontaneity and enthusiasm which are natural to all healthy children, and which should be encouraged rather than suppressed; or, again, they constantly nag their pupils, who obey perhaps for the instant, but soon repeat the same fault, to have the operation gone through with again. These are types of a few of the teachers (it gives me pleasure to say a very few) who are to be found in our primary schools, as well as in others, and the pupils who come under their tutelage are not to be envied.

Few, if any, changes are to be noted in the course of study. The course in geography begun last year is proving interesting and beneficial. The least satisfactory work is done in language, or, to be more explicit, that branch of it which relates to original expression, both spoken and written. Children easily acquire faulty habits of speaking; in fact, when they have learned better forms of expression many of them seem to prefer the vernacular of the street. These bad habits of expression, together with the dearth of ideas that characterizes children and their limited vocabulary, are the difficulties with which teachers have to contend. By a constant correction of faulty forms of expression in all exercises, and in inculcation of better forms, the teacher may remedy, in a great measure, the expression of her pupils. One reason why some teachers have so little success in this regard is their own lack of persistency in the matter. By interesting the children and stimulating their imagination by

story, song, and illustration, thought will be awakened within their minds and they will seek words to express them. The task of the teacher then becomes easy, and progress is rapid.

Some attempt has been made in a few schools to bring the children more into communion with nature by giving them observation lessons on animals, plants, and minerals. While nearly all the teachers are desirous of engaging in this line of work, they hesitate, because there is no definite course of study laid down in these subjects or because they have not confidence in their ability to teach them well. I hope to have a course prepared during the year for the teachers which will meet with the approval of the Committee. If, then, some such expert science teacher as Mr. Arthur Boyden can be employed to give the teachers some instructive and explanatory lessons on the course, it may be put into effective working.

On the whole, the general work is commendable. The great majority of the teachers are earnest in purpose and strive, by study of the principles and methods of teaching, to acquaint themselves with the means by which they may best promote the welfare of their pupils.

I still feel that an ungraded room opened in each of the larger primary buildings would be the means of pushing along more rapidly old and backward pupils, as well as forming an agency by which bright and ambitious pupils might be worked up for extra promotion.

GRAMMAR SCHOOLS.

Although there was an increase of several hundred pupils in the primary grades of the year, the grammar grades have made but a slight gain in attendance. By an error in classification last year, one grade primary which is housed in the Thompson Street school house was reck-

oned with the grammar pupils. When this mistake is corrected, however, a small gain only is shown. As the laws of the State relating to school attendance require pupils to attend school longer than ever before (practically until they are fourteen years old), I can account for no increase in the number of pupils in the grammar schools only by the supposition that the increase in school population in the city is of the class of children who are withdrawn at grammar school age to attend the parochial schools. The returns from those schools indicate this to be the fact. The average number of pupils to a teacher was forty-one.

The organization of each of these schools allows the principal ample time for supervision, and herein lies his chief duty. Each teacher is responsible for her own room, but the principal is responsible for the whole school; and by oral and written tests of the pupils from time to time, by personal observation of the methods of instruction and discipline, he should know intimately whether the work is of the right kind and whether it is harmonious throughout. The assistant teachers should be advised with as a body, by grades, and individually. Any teacher who fails, either from incompetency or unwillingness, to apply suggestions should be referred to higher authorities for their consideration. Failure to correct faults should be followed by dismissal. If principals are not helpful to their assistants and permit poor teaching to go on in their buildings, they fail of their duty, and the schools will not accomplish what they might.

But, as I have said, each teacher is directly responsible for her own room. It is her duty to acquaint herself with the principles of teaching and the best methods. She should seek assistance from the principal and give heed to his suggestions and criticisms. By acquaintance with the work of grades above and below hers, she should do

her part to strengthen and unify the work throughout the whole school. Unless attention is given to these matters by teachers and principals, there is little hope of getting the very best results possible.

It is reasonable to expect that there will be considerable variation shown by a large corps of teachers in their methods of teaching and governing. When any of these methods are really good, they should meet with approval. If they all are really good the results will not differ greatly. The methods of teaching and disciplining of many of the grammar teachers are good, of some, excellent. Those who are weak in these respects are all the more noticeable. It is no easy task to govern children of grammar school age without much friction, and a still harder task to create within them a desire for knowledge, as well as good habits of thinking and acting. If parents would more generally appreciate the fact that they owe to the children and the schools their thoughtful consideration, and would give their hearty support to the teachers in their honest endeavors to do their duty, the atmosphere of school rooms would be pleasanter, and the results would be enhanced.

The subjects most prominent at the present time before those to whom the control of the public schools is intrusted are: First, what subjects shall be included in the school curriculum; second, how can the graded system be made more elastic and at the same time preserve its unity and not increase the cost of schools, which is already becoming burdensome.

These are practical and vital questions and deserve the most careful consideration. The second of these questions has been the object of recent investigation by the New England Association of School Superintendents. A committee was appointed to collect statistics of the age and attendance of pupils in grammar schools. Their report

I give in full, as it has a practical bearing not only on the general question but will be helpful in settling one phase of it, upon which I shall again ask the consideration of the School Board.

NEW ENGLAND ASSOCIATION OF SCHOOL SUPERINTENDENTS.

Report of Committee on Statistics concerning Grammar School Graduates:

Blank forms of inquiry were sent in accordance with the vote of the association to all parts of New England. Replies were received from 104 cities and towns. The returns are not in all cases complete. This occasions no surprise, for it is well known that many cities and towns have not sufficient data at the present time for answering all the questions.

It was hoped, however, that more returns would be received even if a few statistics only were given, such as the number of graduates from the grammar schools and the average age of those graduates.

The statement is made in some instances that complete returns could not be made but partial ones are sent cheerfully. These partial returns aided the committee in the preparation of the report.

The second item, viz., "Average age of pupils," is of special importance at this time when there is so much discussion concerning the time that pupils spend in grammar schools. A statement with reference to this single item would have been acceptable. Statistics relating to items 7 to 12 inclusive are not given upon a large number of the returns. The reasons for this omission are obvious.

Very few places have had any systematic plan of keeping the registers so that such information could be obtained readily. Teachers are doing it now to a considerable extent and there is no doubt that in a few years a principal of a grammar school in one of our large cities will be able to furnish all the information that is desired by those who issue a circular similar to the one prepared in accordance with the vote of this association.

Some superintendents were not able to report separately the number, on the one hand, whose attendance had been confined to the place from which the reports are made, and, on the other hand, the number who had been in school elsewhere a part of the time. Many of the superintendents call attention to this point. It was not expected by your committee that all returns could be complete in this respect. Your committee, having thus indicated some of the reasons that would account for many incomplete returns, must express regret that more partial returns were not made.

A general division may be made at first as follows: 1. Cities and larger towns having full graded courses. 2. Smaller towns with partial courses. This classification is arbitrary and not very exact. Statistics from these places are as follows:

	Cities and Larger Towns.	Smaller Towns.
Average age,	15 years, 1 month.	14 years, 3 months.
Over 16,	22 per cent.	8 per cent.
Under 14,	15 per cent.	37 per cent.

Length of Courses.

51 places,	9	years'	course.
33 "	8	"	"
5 "	10	"	"
1 town,	7	"	"

The cities and large towns report generally a nine

years' course. Complete returns from thirty-eight cities and towns with nine years' course, seventeen with eight years' course, and one with ten years' course are given as follows:

1. Places having nine years' course.

No. of graduates, 1,950.

Average age,		15 years, 2 months.
Over 16,		18 per cent.
Under 14,		15 " "
Completing the course in	6 years or less,	3 " "
in	7 "	6 " "
in	8 "	19 " "
in	9 "	35 " "
in	10 "	27 " "
Requiring more than	10 "	10 " "

2. Places having eight years' course.

No. of graduates, 402.

Average age,		14 years, 3½ months.
Over 16,		6 per cent.
Under 14,		30 " "
Completing the course in	6 years or less,	1 " "
in	7 "	9 " "
in	8 "	37 " "
in	9 "	30 " "
in	10 "	17 " "
Requiring more than	10 "	6 " "

One city with ten years' course.

No. of graduates, 29.

Average age,		15 years, 2 months.
5 over 16, 2 under 14.		
Completing the course in	7 years,	3 per cent.
in	8 "	28 " "
in	9 "	38 " "
in	10 "	25 " "
Requiring more than	10 "	6 " "

These figures, it must be understood, are approximate only. Many of these pupils were away from school for various reasons,—some for a term, others for one or more years. The statistics, however, are of value. They show that there is more elasticity to the courses of study than we should be led to believe from some of the criticisms made concerning the management of the schools.

The figures indicate the time the pupils were first registered in a primary school. It may be said, also, in partial explanation of the higher average age of the graduates of the nine years' courses, that these reports are received from the larger places.

Some of the smaller towns, it is stated in the returns, have a five years' course in the high school, and, in fact, in many of the smaller places the studies of the first year of the high school course correspond to those of the last year in the grammar schools of the larger places. The difference in the average age of the graduates in these two classes of cities and towns is therefore more apparent than real.

Boston reports the average age of the graduates, 15 years, 5 months. Cambridge reports the number of years the pupils were in the grammar schools, the course in this grade being six years. The returns from Cambridge are as follows:

No. of graduates, 536.		
	Average age,	15 years, 4–5 months.
	Over 16,	123.
	Under 14,	107.
	Oldest graduate,	18 years, 6 months.
	Youngest "	11 " 10 "
Completing grammar school course	in 4 years,	54.
	in 5 "	146.
	in 6 "	239.
	in 7 "	92.
Requiring more than	7 "	5.

Sixty-two places report separately the number of pupils who never attended elsewhere and the number that have had a partial course only in the city or town from which the report was received. The partial-course pupils average older than the whole-course pupils in forty-two places and slightly younger in the others. Eighty per cent. of the whole number of partial-course pupils were reported from the forty-two places mentioned.

The items relating to age are worthy of study. It may be well to call attention to individual places. Some people are surprised to learn that there are so many pupils in the grammar schools 16, 17, and 18 years of age. The age of pupils is not the only thing to be considered. The work that is assigned them is of more consequence. There is food for thought in the memorable words of Milton, "I care not how late I come into life only that I come fit."

If the pupils 16 years of age are kept at work term after term upon those subjects that are prescribed for the average pupil 10 years of age, there is cause for complaint. We are dealing at this time, however, with figures, more than with inferences. The facts relating to the age of pupils in the grammar schools, however, may have an important bearing in the consideration of the subject of a course of study for grammar schools.

The average age of those entering is reported from one city, 6 years, 2 months.

The oldest pupil is reported from Lawrence, 20 years, 1 month; the next oldest at Rutland, Vt., 20 years; the youngest, 10 years, at Plymouth, Mass. The oldest pupil in twenty-four of the 103 places reporting is 18.

The average age in one city is 15 years, 4 months. The superintendent in explanation says: "The average age is raised by a few considerably older than the aver-

age; these are boys who have had few advantages and have pluck enough to go to a grammar school."

Returns were received from six places from each grammar school separately. The degree of uniformity in the average age of pupils at the various grammar schools in some cities is noticeable, while in other places there is a wide variation. The greatest range of ages found in any city is seven years, two months. The range in several other places is six years, while five years is very common. Milton, on the other hand, reported the oldest graduate 15 years, 4 months, the youngest 13 years, 4 months.

The returns from the schools of Quincy—on account of the degree of uniformity in the item of average age—are presented herewith separately:

	Average Age.
School No. 1	14 years, 0 months.
" " 2	14 " 5 "
" " 3	14 " 5 "
" " 4	14 " 8 "
" " 5	14 " 9 "
" " 6	14 " 9 "

Somerville reports 380 graduates, 112 of whom are over 16 and 33 under 14—the oldest, 18 years, 4 months; the youngest, 12 years, 11 months.

Springfield reports 181 graduates, 67 over 16 and 9 under 14—the oldest, 18 years, 4 months; the youngest, 12 years, 3 months.

Local causes may account for the diversity in the "average age" at different schools and for this reason it might be well to ask for a report from the individual schools. The policy adopted by different principals may account, in part at least, for the difference in the ages at the separate schools. It is claimed that in some schools the pupils 16, 17, 18 years of age are crowded out of the grammar schools in some way before they can reach the ninth year,

while in other schools an earnest effort is made to retain these older pupils in school as long as possible. Your committee can call attention simply to these subjects. Others must investigate. Interesting themes for study present themselves. It might be well for us to gather statistics concerning the number of older pupils in the lower classes of the grammar schools, to ascertain whether there are many in the sixth and seventh grades that are old enough to be in the high school; whether these pupils, becoming discouraged at the thought that they can never complete the grammar school course, drop out of school quietly.

If one is disturbed on account of the high average age of the grammar school graduates, he might be still more disturbed to know that in some of the lower classes the average age is relatively higher. That would not of necessity disturb others, for the question of age would not be considered so much by them as the kind of work these pupils are doing.

It was asserted at the last meeting that the number of years prescribed for the course does not determine the time the pupil remains in school; that he will be a certain length of time in school whether the course is seven, eight, nine, or ten years. The figures presented seem to justify this assertion.

Your committee presents the statistics at this time. Each superintendent must draw his inferences.

This report is imperfect, the returns are necessarily incomplete, but a beginning has been made. Other statistics may be collected that will aid us all in our labors.

Respectfully submitted.

JOSEPH G. EDGERLY,
GEORGE H. MARTIN,
Committee.

November 12, 1892.

The report from New Bedford is as follows:

NEW ENGLAND ASSOCIATION OF SCHOOL SUPERINTENDENTS.

Statistics of age and attendance for the city of New Bedford:

In order to insure uniformity in tabulating ages, September 1, 1892, is named as the date at which the age of each and every pupil is reported. The present term of school opened in most places early in September. The report should include all pupils that have been enrolled during the present term.

STATISTICS.

		Highest Class of Grammar School.	Lowest Class of High School.
1.	Number of pupils,	221	140
2.	Average age of pupils, years and months,	14.7	15.1
3.	Age of oldest pupil, years and months,	17.2	18.5
4.	Age of youngest pupil, years and months,	11.10	13.2
5.	Number under 12,	1	
6.	Number 12 years of age,	16	
7.	Number 13 years of age,	71	11
8.	Number 14 years of age,	65	52
9.	Number 15 years of age,	50	54
10.	Number 16 years of age,	17	17
11.	Number 17 years of age,	1	4
12.	Number 18 years of age,		
13.	Number over 18 years,		2
14.	Number who are members of the class for the second year,	16	9
15.	Number who are members of the class for the third year,		

16.	Number of graduates from grammar school, 1892,	156
17.	Number reported in item 16 entering the High school the present term,	116
18.	Average age of pupils entering primary school, September, 1892,	6 years, 4 months.

It is shown by the report that there is not a dull uniformity of progression throughout the schools in New England. Many pupils complete the prescribed courses in less than the appointed time, while others, for various causes, take longer. I shall not attempt to analyze the causes why so many fail to complete the course in the apportioned time when the course of studies represents the minimum amount to be done by the average pupil, rather than the maximum. It is sufficient to say that it is known to every one at all familiar with the working of the schools that the fault cannot with justice be attributed wholly to the defects in the schools themselves.

So far as the schools of our city are concerned, however, I feel that sufficient opportunity is not given the brighter pupils to advance out of course. This matter I called to the attention of the Committee several years ago, and I again recommend that it receive its early attention. Promotions out of course should be made advisedly, and with due regard to the physical condition, as well as the mental acquirements, of the pupils. Parents must be as willing also to abide by the decisions of the school authorities in these cases as they are to conform to the other reasonable regulations of the schools, if the practical operation of such promotions is to prove most beneficial to the individuals concerned and the schools at large.

I wish to call attention here to the average age of the pupils in this city when they enter the lowest primary grade. It is six years, four months, or higher than that of any other city reporting. This is caused by the large number of foreign children who enter at an advanced age and cannot speak or read in English. This condition of affairs in the primary grades would raise still higher the grammar age if many such children continued their courses into the grammar schools.

UNGRADED SCHOOLS.

Country Schools.—A slight increase is shown in the attendance at these schools. Seven teachers are employed in them and the average number of pupils is twenty-nine to a teacher. The Plainville school averages less than the others. Owing to the number in the North school, an additional room was built on that school, but I am inclined to think that the number of pupils who will attend there regularly will not warrant the constant employment of an assistant teacher. A new teacher was placed in charge of the Rockdale school at the beginning of the year, the one who had temporarily filled the position having been transferred to a graded school. A plan is now in successful operation in several towns in the State by which pupils in the outlying districts are conveyed each day to graded schools in the centres. The result is a saving in actual expenditure and the pupils have better advantages. It is said that while opposition is encountered at first from the residents of the outlying districts, trial proves to them the wisdom of the plan, and their approbation is soon gained. I think the plan could be applied here with substantial benefit to the schools and some saving in cost of maintenance to the city.

Mill Schools.—The attendance in these schools has been affected by the change in the school laws. In fact, many who attended these might as well attend the graded schools. The establishment of ungraded rooms in several of our primary and grammar grades would provide for these pupils as well as they are now provided for, and at the same time would furnish schools wherein backward pupils from different graded rooms might be temporarily placed for special work. Even some of the ambitious and brighter pupils who wished to do special

work for extra promotion, might find in such rooms an opportunity to do advanced work. As long as the name Mill school is applied to them, and they have a separate organization, just so long will all but pupils who are to work in the mills decline to attend them. The present teachers are well qualified to take up this broader work that I have suggested.

EVENING SCHOOLS.

Elementary Schools.—The power is wholly with the School Committee to determine the number of evening schools that shall be maintained in a city or town, the number and length of the terms, and all details that pertain to them. The cost of maintaining them for any length of time in this city, since the law was passed requiring the attendance of all illiterate minors, and the difficulty in securing a sufficient number of teachers to conduct them, has given these schools an importance in the past few years that they did not have before.

While it is well that illiterate minors and others who did not have the opportunity to acquire the rudiments of an education in their younger days may do so through the maintenance of evening schools, it can be readily seen that in providing such instruction the cities and towns of Massachusetts are attempting to supply the deficiencies of other states and countries that fail to give their citizens the education they should. It is also evident that the burden of evening schools will fall heaviest on cities like New Bedford, where the mills attract large numbers of the illiterate class. And while, as I have said, it is well to maintain these schools, they should not be maintained at the expense of the day schools. Therefore, it seems to me that it would be wise that the evening schools be maintained from a separate appropriation, and the will of

our citizens can be manifested through the city government as to the amount they wish expended on them.

The sessions of the schools have been three nights each week for twenty weeks, the same as the year before. There were 2,192 pupils enrolled, with an average number belonging of 971, and a nightly attendance of 703. It has required forty-nine teachers to teach them. It was impossible to secure enough teachers from those on the approved list who were willing to do evening school work, and a number of teachers were placed temporarily in the schools chosen from candidates who offered themselves. All of them are or had been successful teachers. They have in nearly every instance given good satisfaction.

The cost of these schools for the year was $5,951.08, or an average cost per pupil of $6.12. This is relatively much higher than the cost of a day pupil, as one-third as much is paid for 120 hours' schooling in the evening schools as is paid for 1,000 hours in the day schools. The relative cost is increased by the necessity of employing twice as many teachers in evening schools as are employed for the same number of pupils in the day schools. A teacher in an evening school cannot instruct to advantage more than twenty pupils.

The effectiveness of evening schools is seriously diminished by the irregular attendance, especially of the illiterate class. Many of them go from necessity and have no interest. There is also a large floating attendance. These facts are shown by the nightly attendance, which is only about one-third of the enrollment.

To those persons who earnestly desire an opportunity to get an elementary education, it should be given. And if any number of such persons desire to attend evening schools three or four nights a week, let schools be provided that many nights per week. Make the stipulation with them upon entering, however, that they must be able at

least to read in the second reader to be accepted candidates, and must agree to attend regularly enough to make the schools effective.

For the illiterate class, have the schools kept two nights only. The effect of such a plan would be to put to the proof the earnestness of those who claim that they desire the privilege of three or four nights' schooling a week. It would also stimulate those of the illiterate class who really desire better advantages to make themselves eligible for the advanced classes. I am of the opinion, also, that the two nights a week would be fully as effective as three for the greater part of the illiterate pupils, as they would be more willing to attend regularly for the shorter time. The plan would certainly decrease the expense of those schools and at the same time would give those who desire the rudiments of an education an opportunity to acquire it.

Evening Drawing School.—This school offers excellent advantages to those desiring to acquire a knowledge of the principles of drawing and skill in its application to their daily vocations. The attendance upon it is not what it should be in a city of this size, the chief industries of which are manufacturing. Indeed, the attendance is not much larger, if any, than when the city was half the size it is at present; neither does it compare favorably in this respect with similar schools in other places.

The school is excellently equipped for doing good work, both in the quality of its instructors and in its appliances. Instruction is given in both elementary and advanced work, in several different courses, from which those who attend may choose, the only requirement being that pupils shall qualify themselves by sufficient elementary work to take up intelligently the advanced.

Much good is accomplished by the school, however, as

many of its graduates will testify. They are filling positions of usefulness and responsibility gained by their knowledge of drawing, the foundation of which was laid in this school. Although the expense is comparatively large, the Committee is justified in maintaining it with even the present attendance.

MUSIC, DRAWING, AND SEWING.

While I have none other than words of commendation for the thorough, careful, and painstaking work of the director of music in our schools, I can but feel that too great emphasis is being given to teaching the mechanics of music. The result must be to make good readers of music, but mechanical singers; it will turn out those who are skilled in the principles of the subject, but devoid of that which gives it life and soul. To attune the ears of the children to melody, to develop within them a love for music, to stir into life their better and loftier sentiments, and to soften and mellow their natures by the constant singing of beautiful songs, appears to me to be the chief object of having music taught in the schools. Knowledge of the principles certainly must be taught, but not so emphasized that the main object fails to be compassed.

Drawing in our schools the past few years has been rapidly brought into line with the best educational thought of the day as to the proper place it should occupy in the common school curriculum. The course is now harmonious and progressive, and the regular teachers are better qualified as a whole to give intelligent instruction in this branch than ever before. The present supervisor, a graduate of the Pratt Institute, and a successful teacher before entering that school, is giving the kind of administration which will round it out and efface the deficiencies which have hitherto characterized it.

The sewing department has been conducted by the same teachers and in the same general manner as in other years. This branch of manual instruction is deserving of the place that it occupies in our schools. The materials from which the articles are made are furnished by the parents of the pupils, and, in most cases, willingly. When a pupil fails to bring work the teacher furnishes it. Most of the utensils used in the work are now supplied by the city. The chief improvements that are needed to strengthen the work are these:

1. More of the application of the principles of teaching that rule in presenting other branches.

2. Conducting the recitations in such a way that there shall be less waste of time. The regular teachers share the responsibility in the last regard and fail in some cases to do their whole duty.

THE HIGH SCHOOL.

There has been a slight increase in the attendance for the year. The average number of pupils belonging for 1891 was 353; for 1892 the number was 368, a gain of fifteen. The percentage of pupils enrolled in the public schools, who avail themselves of the High school privileges here, is about the same as in other cities in the State where the character of the population is similar. The influence of parochial schools, of course, is felt in the attendance at the High school as well as in the elementary schools, few, if any, candidates for the High school being presented by the parochial schools. From fifty to sixty per cent. of all the pupils entering the school leave before graduating. The causes are various: Some leave for pecuniary reasons; some, because they do not care to do the required work; some, on account of ill health. I think the pupils are held as long in the school now as at any period of its history.

There is a feeling that prevails to a certain extent that high schools should not be maintained at the public expense; that the State has done its duty when it maintains elementary schools and gives such an education to its children as is therein afforded. This feeling finds public expression occasionally, but is usually confined to private criticism, for such an opinion is not a popular one, especially here in New England. High schools are expensive. They take a large proportion of the school money to maintain them; but they are worth all they cost, in any democratic republic, if they are efficient. Criticism should be directed to their lack of efficiency rather than to the right or the need of maintaining them. In fact, the latter questions have been argued out quite effectively in the past. That high schools fail to accomplish what they should furnishes good ground for debate. They undoubtedly need to be improved, as well as the elementary schools.

There is a great cry all along the line for trained teachers in the elementary schools; the great weakness of these schools is without question due to the scarcity of such teachers; but this is in a measure true of high schools. Unquestionably the great majority of teachers in high schools are well educated, and many have professional skill; but with a great many also the latter quality is wanting. It is true that instruction in high schools has improved within a few years, but it is a well acknowledged fact that there has been less improvement in professional training of high school teachers than of elementary teachers. In fact, many of them think they need no improvement, and consider any suggestion as unwarranted interference. A few years ago, there was a strong movement, in this State at least, and I do not know but it might be said to have extended over New England, to found professional training schools for high school teach-

ers; but, unfortunately, the movement so far has not taken substance, unless the founding of chairs of pedagogy in several colleges may be so considered. Not until the broader professional training for high school teachers, as well as others, is demanded, and appointments are made for merit alone, will high schools do for the children all they should.

To bring the High school into line with the policy pursued in the lower schools in regard to promotions, the High School Committee adopted at the beginning of the present school year the following regulations for determining the class standing of pupils and their promotion:

Section I. Class Standing of Pupils.

1. The class standing of the pupils in the High school shall be fixed on the results of five written examinations given by the various class teachers each year to their pupils.

2. These examinations shall be given under the direction and general supervision of the principal of the school, whose duty it shall be to determine when and how such examinations shall be given.

Section II. Promotions.

1. Promotions of pupils from class to class shall not be governed by any fixed system of marks, obtained either by pupils on their daily recitations or by marks obtained from the five examinations mentioned in Section I. of these regulations.

2. But promotions of pupils shall be made from class to class by the principal of the school, who shall determine the fitness of each pupil for promotion from the recommendations of the class teachers and his own knowledge of each pupil's work and capability.

3. Within one week after the close of the school year, the principal of the school shall send to the High School Committee, through its Secretary, the names of those pupils who have not been promoted, with the reasons therefor. He shall also forward to the High School Committee, at the same time, the average per cent. obtained by each of the rejected pupils in the five examinations mentioned in Section I. of these regulations. A pupil not recommended by the principal of the school for promotion shall not be advanced except by a majority vote of the High School Committee.

By the adoption of these regulations the teachers were freed from the daily rank book, hampered with which no teacher can teach as well as he can without it. No longer is the energy of the teacher to be spent in recording per cents. for an object which can just as well be determined without any such machinery. At the same time, there is no reason whatever why the efficiency of the school should be impaired because pupils are called upon to work for right motives. The percentage of the pupils who failed of advancement each year, under the marking system, was small, and the teachers can determine this percentage closely enough to do justice to each pupil and maintain the efficiency of the school without any such cumbersome system.

This opinion is in accord with that of a great number of the broadest-minded educators in the country; many cities have already abolished the system of basing promotions on daily markings or examinations, and others are ripe for the change. The statistics given below relate especially to pupils who graduated from the school in 1892, who are pursuing advanced courses in the school or elsewhere, and the intentions of those in the school in regard to advanced courses. These statistics, and the records of previous

years, show that the proportion of those who go to college from our High school is smaller than the proportion in the majority of first class high schools in New England. They also show that while many elect the college course upon entering, few continue the course even through the school. This condition, it seems to me, calls for serious consideration on the part of the Committee, and it should be determined whether the fault is in the school or outside of it.

NEW BEDFORD HIGH SCHOOL.

Recent Pupils upon Advanced Courses.

Graduates of 1892, pursuing advanced courses:

	Girls.	Boys.	Total.
College,		3	3
Medical school,	1	2	3
Swain school,	1	5	6
Harrington Training school,	2		2
Post-graduate work in High school,	8	1	9
Business college,	4		4
Totals,	16	11	27

Post-graduates in the High school during 1892, now pursuing advanced courses:

College,		1	1
Medical school,		3	3
Harrington school,	2		2
Totals,	2	4	6

Entering Pupils.

Pupils entering High school, September, 1892:

From New Bedford public schools,	73	55	128
From other schools,	1	3	4
	74	58	132

Post-graduates in the High school, 1892:

January to June,	2	5	7
September to December,	8	3	11
Totals,	10	8	18

INTENTIONS CONCERNING ADVANCED COURSES.

Classical course (to enter college with Greek):			
Class I.,		1	1
" II.,	2	6	8
" III.,	8	7	15
" IV.,	22	15	37
Totals,	32	27	61
To enter college without Greek:			
Class I.,		4	4
" II.,	1	1	2
Totals,	1	5	6
To enter scientific school:			
Post-graduate,		1	1
Class I.,		6	6
" II.,		2	2
Totals,		9	9
To enter medical school:			
Class I.,		3	3
" II.,		3	3
Totals,		6	6
To enter law school:			
Post-graduate,		1	1

In conclusion, I would say that the High school requires the most intelligent and thorough supervision, if its work is to be most effective. With the system of departmental instruction that prevails, supervision is even more necessary than in the class system, if the work is to be thoroughly coördinated.

Again, the studies of the grammar schools should be more thoroughly supplemented by the work in the High school in the same lines. Much that has been eliminated from the grammar and arithmetic of the grammar course

certainly has its legitimate place in the High school course. Knowledge of facts is not of so great importance to the High school graduate as mental power; but mental power will not be possessed by one who has not a broad grasp of facts. The modern system of schools gives opportunity. Let the graduate of the high schools show greater power to apply their knowledge to practical affairs, and there will be less criticism of these schools.

THE TRAINING SCHOOL FOR TEACHERS.

It has come to be a well accepted principle among educators of this country that teachers should add professional knowledge and professional training to a well stored mind if they are to perform most acceptably the responsible and exacting duties of their vocation. This belief is shared by most Boards of Education in the progressive cities and towns, and is rapidly winning its way among the people at large, especially in the East and Northwest. In consequence, State normal schools have sprung up and multiplied; and as they failed to answer the demand, city training schools have become an adjunct of the school systems of many of our leading cities.

It should be said that the latter schools are in no wise intended to supplant the State normal schools, nor has this proved to be the case. Indeed, normal schools are more fully attended since these training schools were organized than before. They have been organized in those places where they exist because the actual facts were these: First, a sufficient number of persons who resided in those places did not avail themselves of the advantages of the normal schools to supply the demand there for teachers, and the result was that vacancies occurring were filled with graduates of the high schools, who had no training whatever. That was true in a great measure of

New Bedford before the Training school was organized. The second reason was, that the graduates of most of the normal schools were given no opportunity to put into practice, under the supervision of skilled teachers, the theories which they had learned, and many of them, therefore, proved inefficient when placed in charge of schools. Most normal schools now have practice schools connected with them. The third reason was the fact that the standard of admission to the State normal schools was not high enough to debar from them those who had not had the advantages of a high school education even. This last objection holds good to-day.

Training schools give a certain amount of normal instruction, and would gladly give more. They give more practice in teaching than most normal schools and special training in the details of the work in the school system of which they are a part. Their advocates recognize that the broader normal work given by the normal schools would be desirable, and would be pleased if all candidates for the training schools were graduates of normal schools. The city of Cambridge makes that one condition of entrance to its training school. The fact is, that it is difficult here and in other places to get a sufficient number of candidates to qualify themselves for admission and give a year and a half to work in the schools, although they are paid small salaries after serving a half year in school without pay, this first half year being given to normal work only.

City training schools have their weaknesses, and none are more cognizant of their defects than those most deeply interested in them. One of these defects, I am ready to grant, is their inability, under their present form of organization, to give the teachers that breadth of instruction that will in the future make them most thoughtful and inquiring in their mental habits. This deficiency cannot be

overcome without adding so much to the cost of the schools as to make their maintenance burdensome. Again, to replete the corps of teachers in any city from the graduates of its training school only, will tend to narrowness and lifelessness in the schools. It is a kind of inbreeding which will be apt to work injury. I, for one, therefore, do not desire that our Training school furnish all the candidates for our corps of teachers. I do not look upon it as a calamity when the school falls short of candidates and the Committee is compelled to bring in some experienced teacher from elsewhere, although I can but wonder that there are not enough young ladies in this city who are willing to give at least two years in special preparation for their life's work. When a substitute is provided for the Training school which will furnish a sufficient supply of teachers for the schools more thoroughly equipped for school room duties and responsibilities, then let the Training school be abandoned, and not till then. In the meanwhile, let it be made as thorough and effective as the resources of the city will admit. Better that a few only graduate from it each year than that any policy shall be adopted that will put a premium on inefficiency.

So far in the history of our school, the classes have varied in size, but that was expected when the school was organized, and provision was made in the regulations by which the pupils in the school should not suffer from scarcity of experienced teachers. The condition of the school has required extra assignments to it for part of the year, five graduates being now employed there. I recommend that a permanent critic teacher be attached to the school, that the principal and assistant principal may have more time for normal work and supervision.

The school is answering all reasonable expectations, both in its special work of training the teachers and in caring for the interests of the children who are pupils

there. The latter, when they enter the grammar schools, are well qualified in every way to continue their course, and compare most favorably with the pupils who have been prepared in our best primary schools.

The school is fortunate in having at its head a principal and an assistant principal who not only are thoroughly capable to conduct it, but who are indefatigable in their efforts for those intrusted to their charge.

Below are the names of the graduates and the statistics of the school for the year:

GRADUATES.

FEBRUARY CLASS, 1892.

Margaret H. Holmes, Sara M. Hatch.

JUNE CLASS, 1892.

Charlotte May Allen,
Lizzie Maria Briggs,
Harriet Love Cornell,
Ethel Washburn Denham,
Dora Amanda DeWolf,
Julia Crocker Gifford,
Mary Luther Hillman,
Harriet Newton Hyatt,
Annie May King,
Ruth Emma Pease,
Julia Mason Pilling,
Fannie Matthews Spooner.

STATISTICS.

Number of pupil-teachers enrolled during the year,	33
" " " graduated in February,	2
" " " graduated in June,	12
" " " admitted in February,	9
" " " admitted in September,	4
" " " in senior class, December, 1892,	2
" " " granted leave of absence, seniors,	1
" " " in junior class, December, 1892,	10
" " " in sub-junior class,	3
" " " resigned from sub-junior class,	2
" assistants,	5
" days of substituting by pupil-teachers,	230
" days' absence for other causes,	145½
Total number of days' absence of pupil-teachers,	375½
" " " " assistants,	9½
Average number of pupil-teachers belonging,	20
Average daily attendance of pupil-teachers,	18

TEACHERS.

There were many changes in the teaching corps during the year. A number resigned for various reasons,—some of them to engage in other occupations or to attend special schools to prepare themselves for special lines of teaching; some to accept positions elsewhere; some to enter upon married life. Besides the appointments to fill the vacancies thus occurring, several new assignments were made, necessitated by the increase of several hundred pupils in the schools. The whole number of teachers now employed in the day schools is 152. The transfers that were made were partly in the interest of the schools, others to accommodate individual teachers by assigning them to schools nearer their residences. The appointments were chiefly made from the graduates of our Training school. Some who were appointed, however, were chosen from experienced teachers serving elsewhere. There are several reasons why all teachers should not be appointed from the graduates of our Training school; but if no reason existed for selecting teachers occasionally from abroad, the Committee had no choice the past year, as there were not enough graduates of our school to satisfy the vacancies.

The two special teachers in drawing, and several grammar school teachers, were selected from non-resident candidates. They were all teachers of successful experience, and in nearly every case were holding good positions. Selecting all the teachers for the schools from home candidates only tends to injudicious appointments at times, because of the restricted number from which to choose, and because personal influence, rather than merit, has too great weight. Again, new life and experience is infused into the home corps by these outsiders, who are neither hampered by local usage, nor expect anything to tell but the quality of their work. It would be well if some of

our own graduates seek at first other positions, to return to positions here later on, broadened by experience gained by rubbing against the outside world. The Boston School Committee, in its last Report, gives its opinion on this subject as follows:

"We note with pleasure that in this, as in previous years, many vacancies have been filled in our corps of teachers by persons who have had their education and experience elsewhere, and who have been proved by years of service to have especial fitness. We believe this is a necessity, in order to keep our schools at the highest standard. This matter is admirably put in the Annual Report of Superintendent Seaver, in 1889, from which we quote: 'The generally accepted maxim in the management of educational affairs is this: that the teaching staff of an institution should not be recruited exclusively from the graduates of the same institution. The neglect of this maxim generally results in deterioration of the teaching and of the teachers. New men, with new ideas, prevent stagnation, narrowness, conceit, and ignorance. Hence, a wisely managed college recruits its faculty in part from among the graduates of other colleges; and the same rule will obtain as to the schools of this city, if the management is wise.

"'It is no disparagement whatever of the Boston Normal school to say, that its graduates exclusively should not be employed in our grammar and primary schools, or to prove that an admixture of professional talent from other sources is necessary to the full health and vigor of our school system. Nor should it be forgotten that the claims of the schools to have none but the best teachers appointed are infinitely superior to the claims of normal graduates to receive appointments.'"

The resignations, leaves of absence, transfers, temporary assignments, and appointments for the year are given below:

RESIGNATIONS.

Florence Cleaves,	High school.
H. Jennie Kirby,	Parker Street Grammar school.
Mary M. Robinson,	Middle Street Grammar school.
Gertrude M. Robinson,	Linden Street Primary school.
Bessie P. Nash,	Maxfield Street Primary school.
Helen C. Allen,	I. W. Benjamin Primary school.
Susan P. Diman,	I. W. Benjamin Primary school.
Myra A. Leach,	Fourth Street Primary school.
Lucy K. Hatch,	Rockdale school.
Blanche I. George,	Drawing teacher.

LEAVE OF ABSENCE.

Carrie E. Footman,	Parker Street Grammar school.
Mabel W. Spooner,	High school.

TRANSFERS.

Anna I. Dexter,	from Acushnet Avenue to Linden Street.
Clara C. M. Gage,	from Acushnet Avenue to Maxfield Street.
Grace Covell,	from Acushnet Avenue to Fourth Street.
Alice A. Taylor,	from Fourth Street to I. W. Benjamin.
Eleanor V. Tripp,	from Cedar Grove Street to I. W. Benjamin.
Lillie C. Tillinghast,	from Cannonville to Fourth Street.
Nellie H. Cook,	from I. W. Benjamin to Dartmouth Street.
Sara M. Hatch,	from Dartmouth Street to Cedar Grove Street.
Gertrude M. Robinson,	from South Mill to Linden Street.
Mabel L. Hathaway,	from I. W. Benjamin to Cedar Street.

TEMPORARY ASSIGNMENTS.

Alice P. Terry,	Rockdale school.
Mabel Besse,	North school.
Marguerite J. Steel,	Parker Street school.
Isabel S. Horr,	Cedar Grove Street school.
Ruby M. Tripp,	South Mill school.

APPOINTMENTS.

Katherine M. Crabtree,	High school.
Julia C. Gifford,	Middle Street Grammar school.
Elizabeth B. Brightman,	Parker Street Grammar school.
Susan H. Lane,	Parker Street Grammar school.
Mary W. Leymunion,	Parker Street Grammar school.
Helen Ring,	Parker Street Grammar school.
Charlotte M. Allen,	Thompson Street Grammar school.
Margaret H. Holmes,	Acushnet Avenue Primary school.
Harriet N. Hyatt,	Acushnet Avenue Primary school.
Julia M. Pilling,	Acushnet Avenue Primary school.
Harriet L. Cornell,	Acushnet Avenue Primary school.
Sara M. Hatch,	Dartmouth Street Primary school.
Nellie H. Cook,	I. W. Benjamin Primary school.
Ethel W. Denham,	Cannonville Primary school.
Lucy K. Hatch,	Rockdale school.
Amelia F. Keen,	Rockdale school.
Dora A. DeWolf,	Training school.
Annie M. King,	Training school.
Ruth E. Pease,	Training school.
Fannie M. Spooner,	Training school.
Mary W. Gilbert,	Drawing teacher.

COLUMBUS DAY.

Columbus Day was suitably observed in all the schools and was an object lesson that will not soon be effaced from the memories of the thousands of children who participated in the patriotic exercises. The official program issued by the national committee formed the basis of all the orders of exercises; in each school, however, the program was modified to suit the grade of school and the facilities of the school building. A national flag was furnished by the School Committee for each school house which was not already supplied with one, and "Old Glory" was saluted by the thousands of school children as it was unfurled to the breeze. A detail of veterans was sent to each school from the Grand Army posts of the city, to participate in the exercises, and their presence gave added interest to the occasion for the children. Inspiring

addresses were made in many of the schools by clergymen and other prominent citizens, and the proceedings of the day could not have failed to have implanted patriotic sentiments deeply in the minds of the pupils.

The teaching of patriotism in the public schools of this country is an all-important duty, which the teachers cannot afford to neglect. The selfish spirit of the day which threatens in its greed the very foundations of good government, and the heterogeneous character of our population, which is to be constantly reinforced by thousands of immigrants to whom the history and traditions of this country are utterly unknown, make this duty all the more imperative at the present time. It is not by the celebration of special days alone that a love for their country is to be instilled into the minds and hearts of the children, but by the daily inspiration of patriotic song and story, and by lessons drawn from the noble lives of those who by honesty of purpose and by self sacrifice for their country's good have contributed to its glory.

THE PEDAGOGICAL LIBRARY.

The number of books now in this library is 207. Last year a complete list of all the books in the library at that time was published in the Report, with titles and names of authors. But few volumes have been added since, as follows:

No. 203.	Development Lessons	DeGraff.
204.	Arbor Day Manual	Skinner.
205.	Sewing, Illustrated	Louise J. Kirkwood.
206.	Longmans' Object Lessons	Salmon.
207.	French Schools through American Eyes.	Parsons.

No. 206 was a gift to the library from the firm of Longmans, Green & Co., and No. 207 was also presented to the library by C. W. Bardeen & Co., Syracuse, N. Y. It

gives me pleasure to acknowledge hereby the thoughtful kindness of these firms. I have but one word to say in relation to the library. It deserves better patronage from the teachers.

PHYSICAL TRAINING IN THE SCHOOLS.

Two years ago I called the attention of the Committee to the need of a change in the methods pursued in the schools in conducting physical exercises. I showed at that time that no system prevailed in teaching the subject; that the exercises were of little real value; and in some cases were, without doubt, productive of harm. The Committee at the time were inclined to agree with me that something should be done to place the teaching of the subject on a different basis. I was instructed to look into the different systems of physical culture and report to the Committee. I did so, and as the Ling system of Swedish gymnastics recommended itself as most suitable for school purposes, a graduate of the Boston Normal School of Gymnastics was engaged to give the teachers of the city a series of lessons in demonstration of the system. The lessons were very well received by the teachers, and I believe that it would have been well for the schools if these lessons had been continued until the teachers had become thoroughly conversant with the plan and aim of the system. Nothing further was done, however, by the Committee in the matter, presumably because it was not pressed.

When the subject was first called to the attention of the Committee, Boston was about the only city in the State that had adopted the Ling or any other system of gymnastics. Since that time, however, a number of cities in the State, and a number elsewhere, have adopted the Swedish system, and in answer to correspondence on the subject the school authorities express themselves well pleased with it.

The following extracts from one of the manuals of Swedish gymnastics will give some idea of the principles underlying the system and its scope:

"1. In selecting the exercises of the Ling system, the fundamental rule prevails of subordinating every movement to the laws of the human organism: it is the duty of the gymnastics to obey nature.

"2. The Swedish training accepts no movements other than those having a distinctly defined purpose, namely, to develop the body toward health, beauty, and power, so far as inherited tendencies permit; and, by thus developing physical strength, endurance, and agility, to create joy of living and doing, powerful will, presence of mind, and courage.

"3. A central aim of the movements is to develop the respiratory organs; every exercise must be executed with full, free breathing.

"4. Every movement employed is of distinctly defined form, and of known general and local effect.

"5. The movements are performed to words of command; strict discipline and attention must be maintained in order that the prescribed number of motions may occur in the alloted time, and thus enable the teacher to oversee all, to correct faults, and prevent disorder and carelessness. As a result, the senses are stimulated; the pupil is accustomed to obedience, observation, and attention, the love of order and promptness is cultivated,—all qualities of the highest importance for the whole life, and under all circumstances.

"6. The Swedish gymnastics are accessible to all,—they are not limited to a small number of people of exceptionally good physique.

"7. That no over-exertion or injury take place, the system begins with the simplest and easiest, and gradually

proceeds to the more complicated and difficult movements."

Last fall, by request of one of the grammar masters, the question was again brought to the attention of the School Committee, and a special committee was appointed to investigate the subject further and report upon the advisability of introducing some system into the schools. That committee will probably report favorably upon the adoption of some system, for investigation will certainly show that there is need of it.

Where careful examinations of the physical condition of school children have been instituted, the facts revealed show conclusively that by far too little attention has been given to the physical welfare of the pupils. Instruction in physiology and hygiene and the effects of stimulants and narcotics upon the human system are subjects of compulsory instruction in the schools of this State and those of other States.

These subjects have their proper place in the school curriculum, and will do good if the subjects are presented rationally and intelligently. But it is the merest farce to teach hygiene and physiology to pupils from text-books and at the same time confine them in buildings that are unhealthful, compel them to sit in seats that deform their bodies, and, if any physical training is given, know not whether it is healthful or harmful. It is as much the duty of school authorities to provide for the physical development of the children, while under their charge, as it is to provide for their mental and moral development. That this has not been done, witness the school houses of the past (as well as some of the present), and witness, also, the physical condition of many of the pupils in the schools. Were there more sound bodies in the world there would be less recourse to soul-destroying stimulants and nar-

cotics. *Mens sana in sano corpore* is one of the best safeguards against the tendency to hurtful indulgences.

THE EXTENSION OF MANUAL TRAINING IN THE SCHOOLS.

In a few months the new school house on the corner of Pleasant and Kempton streets will be completed, in which rooms have been planned for a cooking school and a wood-working department of manual training.

The Committee has already voted to engraft instruction in cooking into the curriculum, but, as yet, no action has been taken as to wood-working, although individual members of the Committee have made more or less investigation of the subject with that end in view. When we have incorporated into our curriculum a complete course in manual instruction, for both boys and girls, extending from the kindergarten to the high school, and embracing it, shall I feel that our schools are giving the pupils the kind of instruction and training that modern conditions demand.

The weight of opinion among educators, I think it is safe to say, is in favor now of this kind of instruction in the public schools. Ways and means are the considerations that prevent its general adoption, rather than any question as to its practical and pedagogic value. The great and enterprising centres, both East and West, are rapidly leading the way, and in many places where public funds are not yet available for this purpose, public spirited citizens are contributing their means to further this kind of teaching. In some places the gifts are made directly to the public schools, while, in others, noble institutions like the Pratt Institute, in Brooklyn, N. Y., and the Drexel Institute, in Philadelphia, have been founded and richly endowed, wherein industrial training in many

lines is given at a nominal cost to those who desire it. In Boston, the kindergartens, which were started by a wealthy and philanthropic lady, and maintained by her for years, at a cost of thousands of dollars, have now become a part of the school system of that city. Within a few years, also, in addition to the sewing, which has been a part of the school work for years, cooking schools have been established in nearly all its school districts, if not in all. Besides all this, a "Manual Arts High School" is in process of construction in that city at a cost of $100,000, which is to supplement the work which is now being done throughout all the schools in wood-working. And yet Boston is a conservative city.

But it is not only in such cities as Boston, Philadelphia, Washington, and Detroit that manual instruction is being made a part of the school courses. Smaller cities and towns throughout the whole country are hastening to do what is within their power to give the pupils of their schools this training, which is not only of practical value, but is pedagogically sound, as has been demonstrated under the fire of most adverse criticism. Can New Bedford, a city whose growth and prosperity is due to its industrial pursuits, afford to be a laggard in providing for her youth the kind of instruction which pertains to her very life?

I have dwelt somewhat at length upon what is being done elsewhere in manual training, in order to show the general trend of thought in this direction. Since what I write in this Report is especially for home consumption, it may not be amiss to consider here, for the benefit of our citizens who have given this subject little or no consideration, some of the reasons why manual training is now so strongly advocated for the public schools. I shall present, however, only a few, without elaborating to any extent the arguments in favor of these claims.

It is claimed for manual training:

1. That it not only promotes objective instruction, but it is the best kind of objective instruction.

2. That it serves a moral and physical benefit to the pupils.

3. That it will tend to dignify labor in the minds of the pupils by giving them a proper appreciation of it.

4. That it will make a proper choice of calling possible by teaching the pupil to know his powers and inclinations.

5. That it will promote the interests of the parents in the schools by preparing the pupils better for after-life. Or, to sum up the claims for manual training in a few words: It has great educational value; it is practical, and brings the school into proper relation with the community.

To strengthen these claims that are put forth for manual training in the schools, I quote from Robert Seidel, a Swiss, whose book, "Industrial Education," is a most conclusive argument in favor of employing manual training in the schools. He says: "If we proceed according to nature, hand labor and modelling must be introduced into the school, and both should precede drawing. If one really intends to train the taste, eye, and hand, in the school, then hand labor is needed; if one wishes to bring the principle of self-activity in a most comprehensive manner into the school, so that it may be of worth, it can only be done by hand labor. If professional drawing in the school is to be attractive, then it must be followed by execution; if the child is to be satisfied by instruction, the most effective means for this purpose, hand labor, must not be excluded." Again, he says: "Practical evidence has sufficiently shown that industrial instruction has a high disciplinary and educative value, and can only with the greatest advantage to theoretical instruction become united with it." And he goes still further and says: "Industrial

instruction from an educational, as well as from a social political standpoint, is a necessity. From an educational standpoint it is necessary, because hand labor secures knowledge and understanding, which cannot be secured by mere observation, but which for mental training and for life is, however, of the highest importance. From a social, political, and pedagogical standpoint, it is indispensable, because hand labor serves in the forming of concepts which, for the peaceable intercourse of humanity, for moral conduct, and for the existence of the State, are of the greatest significance." I quote also from M. Jules Ferry, who, when French Minister of Public Instruction, said in a speech upon the occasion of laying the corner stone of the school for primary, superior, and professional instruction (at Paris): "We desire to ennoble labor. We have written this motto in large letters upon our programme, and we have chosen the surest, indeed the only, means of securing the recognition of the nobility of hand labor, not only from those who exercise it, but also from society as a whole. We have introduced hand labor into the school itself!

"Believe me, when the plane and file are accorded their place of honor by the side of the compass and the map and the text-book in history, and when they become the objects of rational and systematic instruction, only then will a great amount of prejudice die out, and much of the spirit of caste vanish away. Social peace will find a place upon the seats of the elementary school; and harmony, with her beaming light, will illuminate the future of the nation!"

When we see what industrial training in the schools is doing for France to-day, the words of her statesman prove to be more than a flight of oratory.

That manual or industrial training, whichever name may be applied to it, is to become a constituent and impor-

tant part of public school instruction in this country there is no longer any doubt. The mistake that has been made, and is still being made, is that it is being started at the wrong end. It should begin at the bottom, and not at the top; with the kindergarten and not with the high school. The foundation must be laid before the talents and powers of the child become arrested in their development. For once arrested, it is hard to call them forth again and still harder to develop them. I think it has been well said that the order should be something like this: The genuine Froebelian kindergarten should be organically united to the school. Labor should stand in the foreground until the tenth year; from the tenth to the thirteenth year labor and instruction should be equal in importance; from the thirteenth to the fifteenth year instruction should be in the foreground. Labor should precede instruction until the thirteenth year, while from that time forward instruction should lead to labor.

If manual instruction is to become an essential part of our school instruction (and, as I have stated before, I think it is), it means a great deal. It means more than ordering such a course to be engrafted upon the school curriculum. It means a complete readjustment of the school organization and the preparation of teachers to take up this work. And, if this change is to come, why should not this fact be taken into consideration in the construction of all new school houses, and in the preparation of teachers for the new line of work. For I am earnest in the belief that this work, to be a success, must be done, at least in the elementary schools, in the same buildings where the other instruction is given, and under the general supervision of the principals of the schools. This is done in France, and we may well look to her experience for guidance in this matter.

The question is a far-reaching one, and one that calls for the most thoughtful consideration, both from school authorities and the public at large.

WHAT IS TO BE THE FUTURE OF THE SCHOOLS?

It is not with any expectation of being able to answer this question that I have raised it. But it is a question of serious moment. It concerns the family, the community, the State; it is a matter of financial interest to every taxpayer; it determines in a large measure the quality of the country's future citizenship. Is it not, then, worthy the thoughtful attention of every citizen? Should it not be approached by those who feel that there are wrong tendencies in the present line of school work with a spirit of earnest desire to seek the truth and assist in its attainment, and not in a censorious spirit that helps not, but rather injures the best efforts of those who are earnestly striving for the right.

The complexity of modern civilization makes it all the more difficult for the schools to prepare their pupils for the spheres of life that they are to occupy. The attempt to do so by the introduction of new branches of study is met by the cry, "Fads and fustian." It is claimed that the schools are being overloaded; that the pupils are being harassed with many things and the result will be that they will neither obtain knowledge nor mental grasp.

There is undoubtedly some occasion for this feeling and the school is unquestionably passing through a crucial period, as are many other affairs outside of the school. While experience is always a dear lesson, there seems to be no other way of solving this question of school policy except by experiment and constant readjustment. Most assuredly there is great danger, owing to the intricacies

of modern school organization, and which is a necessity, especially in cities and large towns, that the details of management shall assume too great importance and occupy time that should be given to the consideration of weightier matters. Certainly it should always be clearly before school authorities that all the machinery incident to the schools is for one purpose only, the promotion of the well-being of the pupils. Proper school houses are to be provided that the health of the children may be conserved; suitable teachers are to be placed in charge that the mental and moral attributes of the pupils may be properly developed and trained.

But the responsibility of educating children can never be thrust entirely upon the school and satisfactory results be obtained. The home must always have not only its own peculiar responsibilities in the matter, but its direct responsibility to the school. Nor must the church, as a very important factor, be forgotten. The school is the child's workshop, and he should so regard it. It should be made healthful and pleasant for him, to be sure, and all its associations should be elevating, so far as it is possible for the school authorities to make them so. But on the other hand, the duty rests with the parents to impress upon their children that they go to school to work; that in doing this work they will be brought into relation with others in a manner that will necessitate the surrender on their part of some of their desires; that this is a lesson which all must learn, for when they are grown and mingle with the larger world, they will be called upon to do the same. Some criticisms that are made upon the schools lead one to think that many are of the opinion that schools should cater to the whims and idiosyncrasies of children and not eradicate them. Complaints are too often listened to from children and judgments passed without due consideration of circumstances and effect. There is a growing and mistaken

tendency to pamper children; to yield to their distaste for work rather than to encourage them to patient effort in accomplishing their daily tasks. The schools feel this tendency more than they ought. It is fatal to true progress.

What the future of the schools is to be will depend largely on what the public will have them. For the schools are very close to the people. Their will is but to be expressed and such changes as they desire will surely come.

In closing, I will say that the tendency is towards instruction which is concrete and practical, as opposed to that which is chiefly abstract. Whatever the future of the schools may be, their product should be wholesome, upright citizens, who shall recognize the value and dignity of honest labor and practice it, in whatsoever calling they may choose.

Respectfully submitted.

WILLIAM E. HATCH,
Superintendent of Schools.

LIST OF TEACHERS.

HIGH SCHOOL.

Summer street, between Mill and North streets.

Grade.			
	Ray Greene Huling, principal,	195 Cottage street,	$2,750
	Charles T. Bonney, Jr., sub-master,	121 Washington st.,	1,600
	Charles R. Allen, science teacher,	1 Lincoln street,	1,500
1	Sarah D. Ottiwell, assistant,	184 Kempton street,	1,000
2	Elizabeth P. Briggs, "	366 Union street,	900
2	Lydia J. Cranston, "	81 North street,	900
3	Lucretia N. Smith, "	72 Foster street,	900
3	Mabel W. Cleveland, "	81 North street,	750
4	Mary E. Austin, "	512 Kempton street,	900
4	Helen L. Hadley, "	196 Grinnell street,	750
4	Emma K. Shaw, "	72 High street,	900
	Katharine M. Crabtree, drawing teacher and assistant in English,	256 Union street,	650
	John K. McAfee, military instructor,	63 Fifth street,	300

GRAMMAR SCHOOLS.

FIFTH STREET:

Fifth street, corner of Russell street.

	Allen F. Wood, principal,	111 Acushnet avenue,	1,900
5	Lydia A. Macreading, assistant,	17 Bonney street,	600
5	Harriet F. Hart, "	233 Acushnet avenue,	600
6	Mary E. Allen, "	25 Madison street,	600
6	Sarah E. Stoddard, "	352 County street,	600
7	Emma A. McAfee, "	63 Fifth street,	600
7	Janet Hunter, "	55 North Sixth street,	600
8	Blanche W. Sheldon, "	41 Fifth street,	550
8	Mary A. Kane, "	157 Grinnell street,	600
9	Grace L. Carver, "	147 Acushnet avenue,	500
9	Nancy H. Brooks, "	135 Fourth street,	600

MIDDLE STREET:

Summer street, between Elm and Middle streets.

Grade.				
	George H. Tripp,	principal,	Fairhaven,	$1,900
5	Agnes J. Dunlap,	assistant,	117 Hillman street,	600
6	Katharine Commerford,	"	634 County street,	600
6	Etta M. Abbott,	"	103 School street,	600
7	Lucy B. Fish,	"	115 Maxfield street,	600
7	Julia C. Gifford,	"	85 Fifth street,	450
8	Clara B. Watson,	"	37 Fifth street,	600
8	Maria B. Clark,	"	131 Chestnut street,	600
9	Mary R. Hinckley,	"	111 High street,	600
9	Clara S. Vincent,	"	233 Middle street,	600

PARKER STREET:

Parker street, near County street.

	Charles E. E. Mosher,	principal,	92 High street,	1,900
5	Helen Ring,	assistant,	271 Union street,	600
5	Anna L. Jennings,	"	115 Maxfield street,	600
6	Susan H. Lane,	"	264 Pleasant street,	550
6	Emma D. Larrabee,	"	Chestnut and Willis,	550
7	Martha A. Hemenway,	"	5 Lincoln street,	600
7	Regina M. Paul,	"	29 Parker street,	475
7	Elizabeth B. Brightman,	"	137 Chestnut street,	600
8	Mary W. Leymunion,	"	83 School street,	600
8	May L. Pettey,	"	22 Pope street,	600
8	Mariana N. Richmond,	"	34 High street,	600
9	Mary E. Sturtevant,	"	220 Summer street,	600
9	Lizzie E. Omey,	"	63 Thomas street,	550
9	Emily A. Delano,	"	East Freetown,	575

THOMPSON STREET:

Thompson street, corner Crapo street.

7	Katharine N. Lapham,	principal,	Union and Sixth sts.,	1,200
8	Cora B. Cleveland,	assistant,	81 North street,	475
8	Elizabeth Bennett,	"	46 State street,	475
9	Mary A. Macy,	"	72 Bedford street,	600
9	Daisy M. Butts,	"	116 Willis street,	475
10	Charlotte M. Allen,	"	118 Fifth street,	400
13	Leonora B. Hamlin,	"	South Orchard street,	500

HARRINGTON TRAINING SCHOOL:

Court street, corner of Tremont street.

Josephine B. Stuart, principal,		464 County street,	$1,300
Annie W. Braley, assistant,		619 County street,	850
Belle Almy,	"	201 Cottage street,	425
Dora A. DeWolf,	"	169 Middle street,	400
Annie M. King,	"	1074 South Water street,	400
Ruth E. Pease,	"	658 County street,	400
Fannie M. Spooner,	"	12 Morgan street,	400

Thirteen training teachers,—Seniors, $4 per week; Juniors, $3 per week.

PRIMARY SCHOOLS.

ACUSHNET AVENUE:

Acushnet avenue, near Grinnell street.

Grade.				
10	Jane C. Thompson, principal,		194 County street,	700
11	Sarah E. Kirwin,	assistant,	101 South Sixth street,	550
11	Hattie L. Finlan,	"	186 County street,	550
12	Margaret H. Holmes,	"	661 County street,	425
12	Caroline S. Silva,	"	81 Washington street,	525
13	Susan M. Lucas,	"	167 North street,	550
13	Harriet N. Hyatt,	"	Acushnet village,	400
13	Julia M. Pilling,	"	24 Seventh street,	400
13	Harriet L. Cornell,	"	151 Middle street,	400

I. W. BENJAMIN SCHOOL:

Division street, between Acushnet avenue and Second street.

	Jane E. Gilmore, principal,		245 Acushnet avenue,	775
10	Susan M. Tompkins,	assistant,	2 Court street,	550
10	Nellie W. Davis,	"	49 Bedford street,	550
11	Helen J. Kirk,	"	27 Franklin street,	550
11	Rachel L. Denham,	"	363 Cottage street,	450
12	Sarah A. Winslow,	"	315 County street,	500
12	Eleanor V. Tripp,	"	12 Sherman street,	425
13	Annie C. O'Connor,	"	299 County street,	550
13	Mary Barstow,	"	South Orchard street,	525
13	Annie L. Brownell,	"	13 Sherman street,	450
13	Alice A. Taylor,	"	299 County street,	450
13	Mabel Bennett,	"	114 High street,	425

CEDAR STREET:

Cedar street, corner of Maxfield street.

Grade.			
10	Annie S. Homer, principal,	117 Hillman street,	$650
11	Bessie P. Peirce, assistant,	124 Hillman street,	550
12	Abbie D. Whitney, "	59 Hill street,	550
12	Annie L. Edwards, "	62 North street,	550
13	Willetta B. Nickerson, "	21 Morgan street,	550
13	Mabel L. Hathaway, "	141 Summer street,	425

CEDAR GROVE STREET:

Cedar Grove street, near Acushnet avenue.

13	Lucy F. Clark, principal,	131 Chestnut street,	700
13	Mary J. Eldridge, assistant,	200 South Second street,	550
12	Edith K. Weeden, "	614 County street,	450
12	Annie G. Brawley, "	23 Washburn street,	525
11	Carrie A. Shaw, "	Belleville,	550
10	Flora E. Estes, "	535 Purchase street,	550
10 and 11	Sara M. Hatch, "	1213 Acushnet avenue,	425

CANNONVILLE:

Rockdale avenue.

10 and 11	Adelaide J. McFarlin, principal,	Cottage and Kempton,	550
12 and 13	Ethel W. Denham, assistant,	363 Cottage street,	400

DARTMOUTH STREET:

Dartmouth street, corner of Hickory street.

11	Isadore F. Eldridge, principal,	28 Sherman street,	675
10 and 11	M. Eva Schwall, assistant,	11 Bonney street,	550
12	Edith M. B. Taber, "	82 Walden street,	425
12	Annie F. Smith, "	18 Bonney street,	450
13	Grace H. Potter, "	4 Orchard street,	550
13	Sara H. Kelley, "	24 Seventh street,	550
13	Nellie H. Cook, "	6 South Ash street,	425

FOURTH STREET:

Fourth street, corner of Madison street.

10	Sarah H. Cranston, principal,	81 North street,	650
11	Eliza H. Sanford, assistant,	112 Fourth street,	550
12	Sarah E. Sears, "	21 Griffin street,	550
11 and 12	Annie L. Macreading, "	17 Bonney street,	525
13	Lillie C. Tillinghast, "	16 Fifth street,	550
13	Grace Covell, "	128 School street,	425

LINDEN STREET:

Linden street, near Ashland street.

Grade.			
10	Elizabeth P. Spooner, principal,	129 Hillman street,	$600
11	Isabella Luscomb, "	245 Cedar street,	550
12	Isadora Foster, "	48 Parker street,	550
13	Lucy S. Leach, "	91 Maxfield street,	550
13	Anna I. Dexter, "	11 Franklin street,	500

MERRIMAC STREET:

Merrimac street, corner of State street.

10 and 11	Sarah H. Hewins, principal,	111 Merrimac street,	600
12	Addie West, assistant,	232 Pleasant street,	550
13	Harriet S. Damon, "	223 Pleasant street,	550

MAXFIELD STREET:

Maxfield street, corner of Pleasant street.

13	Mary B. White, principal,	57 Foster street,	600
12	Annie E. Pearce, assistant,	151 Hillman street,	550
11	Clara C. M. Gage, "	78 Mill street,	550
10	Mary E. Pasho, "	169 Grinnell street,	450

WILLIAM STREET:

William street, between Sixth and Eighth streets.

10	Eleanor Commerford, principal,	634 County street,	600
11	Mary J. Graham, assistant,	12 Court street,	550
12	Kate E. Cleary, "	61 Mechanics lane,	550
13	Amelia Lincoln, "	87 Walden street,	550

COUNTRY SCHOOLS.

ACUSHNET:

Acushnet avenue.

Charlotte C. Carr, principal,	56 Spring street,	700
Belle B. Wheeler, assistant,	2 Mt. Vernon street,	550
Caroline O. Pierce, "	1 Spruce street,	550

CLARKS POINT:

Julia A. Fay, principal,	685 South Water street,	525

NORTH:

Mary I. Ashley, principal,	Clifford,	600
Agnes E. Braley, special assistant,	Clifford,	320

PLAINVILLE:

Mary E. Haney, principal,	Fairhaven,	$525

ROCKDALE:

Amelia F. Keen, principal,	67 Parker street,	600

MILL SCHOOLS.

NORTH:

In Merrimac Street school building.

Emma R. Wentworth, principal,	117 Hillman street,	$15.50 per week.
Kate Sweet, assistant,	121 Kempton street,	11.25 "

SOUTH:

In Thompson Street school building.

Lucy J. Remington, principal,	493 County street,	$15.50 per week,
Ruby M. Tripp, assistant,	407 Cedar street,	10.00 "

SPECIAL TEACHERS.

DRAWING:

Mary W. Gilbert,	20 Seventh street,	$1,200

SINGING:

F. H. Butterfield,	40 Chestnut street,	1,700

SEWING:

Carrie H. Richmond,	43 Fifth street,	550
Eliza A. Smalley,	71 South Sixth street,	295
Gertrude H. Leonard,	62 Fifth street,	442

EVENING DRAWING SCHOOL.

George H. Nye,	$9.00 per week.
George A. Stetson,	7.00 "
Katharine M. Crabtree,	6.00 "

EVENING ELEMENTARY SCHOOLS.

FIFTH STREET:

Oliver W. Cobb,	$9.00 per week.
Mrs. C. T. Johnson,	4.12 "
Grace H. Potter,	4.12 "
Nancy H. Brooks,	4.12 "

Annie F. Smith,	$4.12 per week.
Alice A. Taylor,	4.12 "
Kate Moore,	4.12 "
Nellie H. Cook,	4.12 "
Cora G. Bingley,	4.12 "
Belle Almy,	4.12 "
Sarah E. Stoddard,	4.12 "
Lizzie M. Briggs,	4.12 "
Julia C. Gifford,	4.12 "
Grace W. Russell,	4.12 "
Annie L. Burbank,	4.12 "

MERRIMAC STREET:

Mary A. Kane,	9.00 per week.
Alice A. Richardson,	4.12 "
Blanche W. Sheldon,	4.12 "
Harriet L. Cornell,	4.12 "
Mabel L. Hathaway,	4.12 "
Anna I. Hathaway,	4.12 "
Sarah E. Kirwin,	4.12 "
Florence A. Poole,	4.12 "
Mary J. Eldridge,	4.12 "

PARKER STREET:

George H. Tripp,	9.00 per week.
Grace C. Bates,	4.12 "
Leona M. Bosworth,	4.12 "
M. Anna Taber,	4.12 "
Mary F. Wilde,	4.12 "
Annie Murphy,	4.12 "
Regina M. Paul,	4.12 "
Julia W. Corish,	4.12 "

CEDAR GROVE STREET:

Allen F. Wood,	9.00 per week.
Zenas M. Briggs,	4.12 "
Annie G. Brawley,	4.12 "
Nannie P. Slocum,	4.12 "
Mrs. J. E. Edwards,	4.12 "
Mary W. Leymunion,	4.12 "
Mary R. Hinckley,	4.12 "
Abbie R. Johnson,	4.12 "
Flora E. Estes,	4.12 "
Isabelle S. Horr,	4.12 "

THOMPSON STREET:

Joseph P. Kennedy,	$9.00 per week.
Mrs. S. C. Whelden,	4.12 "
Janet Hunter,	4.12 "
Emma Gartland,	4.12 "
Annie M. King,	4.12 "
Caroline E. Bonney,	4.12 "
Lena B. Hamblin,	4.12 "

1893—CITY DOCUMENT NO. 7.

Fourteenth Annual Report

OF THE

BOARD OF HEALTH,

City and Quarantine Physician,

OF THE

CITY OF NEW BEDFORD,

TO THE

City Council,

FOR THE YEAR 1892.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY.
1893.

REPORT.

OFFICE OF THE BOARD OF HEALTH,
January, 1893.

To the City Council of the City of New Bedford:

GENTLEMEN,—The Board of Health herewith respectfully make their fourteenth annual Report.

Jan. 16, 1892. At a meeting of the Mayor and Aldermen, Thomas W. Cook was reappointed a member of the Board of Health, for the term of two years ending on the first Monday in February, 1894.

Feb. 11, 1892. At a meeting of the Mayor and Aldermen, the sum of twenty-five hundred dollars ($2,500) was appropriated to defray the expenses of the Board of Health for the year 1892.

March 15, 1892. The Board of Health organized this day as follows:

Nathaniel Hathaway, Chairman.

W. N. Swift, Physician to the Board and Quarantine Physician.

T. W. Cook.

William E. Macomber, Health Inspector.

Louis H. Richardson, as Inspector of Plumbing, and Susie J. Small, as Clerk, are appointed under civil service rules.

March 21, 1892. Dr. D. C. Ashley reported to this

Board three cases of tuberculosis in cattle belonging to one Ledoux. The Board at once notified the Cattle Commissioners.

April 1, 1892. At a meeting of the Board, S. S. Wilbur, North Dartmouth, was given the exclusive right to clean privy vaults and cesspools by the odorless excavating process.

This order was established January 1, 1892.

April 28, 1892. The following was passed: That all vessels arriving from foreign ports between the first day of May and the first day of November, 1892, are directed to go into quarantine until visited by the Quarantine Physician. All pilots are required to observe and follow this order.

April 28, 1892. The following order was also passed: Licenses for keeping swine must be renewed before May 1, 1892.

April 30, 1892. Specifications for the Collection and Disposal of Garbage:

MATERIAL TO BE COLLECTED.

House offal or any quickly decomposing matter, such as decayed fruit, market refuse, etc.

THE TIME.

House offal must be collected, from the first of May to the first of November, three times per week; from the first of November to the first of May, twice per week.

MEANS OF TRANSPORTATION.

House offal must be collected in tight barrels or boxes, subject to the approval of the Board of Health.

LIMITS FROM WHICH COLLECTIONS MUST BE MADE.

Commencing at the Acushnet river, at the eastern termination of that part of Belleville road that runs easterly from the Acushnet river, nearest to the Nash road; thence on said Belleville road to Acushnet avenue; thence southerly on said avenue to the Nash road; thence on the Nash road to Mt. Pleasant; thence from Mt. Pleasant to Hathaway road; thence westerly on said Hathaway road to Shawmut avenue; thence southerly on said Shawmut avenue to Durfee street; thence westerly on Durfee street to Rockdale avenue; thence southerly on Rockdale avenue to Kempton street; thence westerly on Kempton street to Dartmouth line; thence on Dartmouth line to Clarks cove; thence from Clarks cove on a line with Cove road easterly to the Acushnet river.

DISPOSAL OF MATERIAL.

The material must not be sold for feeding animals, and must be disposed of in a manner satisfactory to the Board of Health.

Details of the manner in which the contractors propose to dispose of the material collected must be submitted with the bid.

Bids for the collection and disposal of garbage were advertised in the daily papers for four days. In that time there were but two bids:

C. H. W. Butts, $7,200.

Edgar H. Gammons, $6,000.

May 2, 1892. At regular meeting of the Board it was voted, That the contract for the collection and disposal of garbage be awarded to Edgar H. Gammons for one year, at $6,000.

May 16, 1892. At regular meeting of the Board it was

voted, That on and after June 1, 1892, no person shall collect or transport garbage or the refuse from the markets, fruit or grocery stores without a license from the Board of Health.

May 24, 1892. At regular meeting of the Board of Health, the following order was passed:

On and after June 1, 1892, garbage will be collected by the City Collector.

House garbage or swill will be collected every other day within the limits of the city.

Citizens will be required to put their house garbage or swill in tight, covered receptacles, which must be put in a convenient place for collection.

Any nuisance arising from the deposit of house garbage or swill in vaults, yards, or ash barrels, will be promptly abated by the Board of Health, at the expense of the tenant or owner. Per order of Board of Health.

May 24, 1892. At regular meeting of the Board of Health, the following vote was passed:

Owing to the prevalence of scarlet fever in this city, and the possibility that it may become more general, the Board of Health would call the attention of physicians and householders to the imperative need of assisting the proper authorities in preventing the further spread of scarlet fever by promptly reporting at the office of the Board of Health, the knowledge of any case. We would hereby call the attention of the physicians and householders to the following sections of the Public Statutes:

Chapter 98, Sections 1 and 2.

Section 1. When a householder knows that a person within his family is sick of small-pox, diphtheria, scarlet fever, or any other disease dangerous to the public health, he shall immediately give notice thereof to the Selectmen or Board of Health of the town in which he dwells, and

upon the death, recovery, or removal of such person, the rooms occupied, and the articles used by him shall be disinfected by such householder in a manner approved by the Board of Health. Any person neglecting or refusing to comply with either of the above provisions shall forfeit a sum not exceeding one hundred dollars.

Section 2. When a physician knows that a person whom he is called to visit is infected with small-pox, diphtheria, scarlet fever, or any other disease dangerous to the public health, he shall immediately give notice thereof to the Selectmen or Board of Health of the town; and if he refuses or neglects to give such notice, he shall forfeit for each offence not less than fifty nor more than two hundred dollars.

Any violations of this statute coming to the knowledge of this Board will be followed by prosecution.

Per order of Board.

NATH. HATHAWAY, Chairman.
W. N. SWIFT.
T. W. COOK.

June 1, 1892. It was voted, To grant licenses for collecting swill and soap grease to private men (forty-seven in number).

June 6, 1892. At a meeting of the Board, held this day, it was voted, That the houses numbered 944 and 646 South Water street be ordered vacated, and possession of them be taken by the Board of Health.

June 9, 1892. At a special meeting of the Board of Health, held this day, the Board resorted immediately to vaccination, and instituted a house to house vaccination.

It was voted, To vaccinate all of the operatives in the different mills, and the pupils of the different schools who were willing to have it done.

June 10, 1892. The first death from small-pox occurred to-day.

A barracks, 22 feet by 173 feet, and one story high, is erected north of the old almshouse. It is fitted for the accommodation of fifty persons, who will occupy separate rooms. Each room is 6 feet by 9 feet. A kitchen 9 feet by 12 feet, and an attendants' room, are located at one end of the building.

June 13, 1892. At a meeting of the Board, held this day, it was voted, That all vessels arriving from foreign ports are directed to go into quarantine until visited by the Quarantine Physician. All pilots are required to observe and follow this order.

Also, at this meeting, it was voted, That any one arriving on a vessel from a foreign port must be vaccinated (if he has not already been) before leaving the vessel.

Per order of Board.

NATH. HATHAWAY, Chairman.
W. N. SWIFT.
T. W. COOK.

June 17, 1892. At a special meeting of the Board, the second death from small pox was reported.

July 1, 1892. At regular meeting of the Board of Health, it was voted, To have fifty circulars printed of the following:

Your attention is hereby called to the following sections of Chapter 80 of the Public Statutes. This law will be strictly enforced.

CHAPTER 80.

Section 51. Parents and guardians shall cause their children and wards to be vaccinated before they attain the age of two years, and revaccinated when the Board of Health shall after five years from the last vaccination require it. For every year's neglect the party offending shall forfeit five dollars.

Section 52. The Board of Health shall require and enforce the vaccination of all the inhabitants, and, when in their opinion the public health requires it, the revaccination of all the inhabitants who do not prove to their satisfaction that they have been successfully vaccinated or revaccinated within five years. Every person over twenty-one years of age, not under guardianship, who neglects to comply with any such requirement, shall forfeit five dollars.

Section 33. Towns shall furnish the means of vaccination to such of their inhabitants as are unable to pay for the same.

Section 54. Incorporated manufacturing companies, superintendents of almshouses, state reform schools, industrial schools, lunatic hospitals, and other places where the poor and sick are received, masters of houses of correction, jailers, keepers of prisons, warden of the the State prison, and superintendents or officers of all other institutions supported or aided by the State, shall, at the expense of their respective establishments or institutions, cause all inmates thereof to be vaccinated immediately upon their entrance thereto, unless they produce sufficient evidence of previous successful vaccination within five years.

Section 55. Each town may make further provision for the vaccination of its inhabitants, under the direction of the Board of Health, or a committee chosen for the purpose.

Section 56. The School Committee shall not allow a child who has not been duly vaccinated to be admitted or connected with the public schools.

Per order Board of Health.

Nath. Hathaway, Chairman.
W. N. Swift.
T. W. Cook.

July 29, 1892. A special appropriation of fifteen thousand dollars ($15,000) was placed to the credit of the Board of Health, in consequence of the extraordinary

expenses attendant upon the suppression of the small pox epidemic.

Sept. 28, 1892. Plans for the plumbing of the Wamsutta mill houses were received this day. The Wamsutta Mill Corporation are to pay the expense of putting in a sewer for the houses of the corporation.

At regular meeting of the Board of Health, held this day, the following vote was passed:

On and after October 1, 1892, in all plumbing jobs where there are seven or more fixtures connected to a vent pipe, the size of the ventilating pipe must be at least three (3) inches. When three (3) or more water closets are connected with the other fixtures, the main drain in cellar from the vertical pipe must be five (5) inch pipe, with a five (5) inch trap.

CONNECTIONS.

Hereafter, all connections with horizontal pipes shall be made with $\frac{1}{8}$ or $\frac{1}{16}$ bends, with Y branches. (See Section 9.)

One trap may be used for a bath-tub and bowl, provided the length of the waste-pipe from the fixtures does not exceed three (3) feet.

Horizontal waste pipes must have a cleanout close to all Y branches.

Offsets in horizontal pipes must be made with $\frac{1}{8}$ bends and piece of pipe.

In new work vents from traps must be carried above the bottom of all fixtures.

Per order of Board of Health.

NATH. HATHAWAY, Chairman.
W. N. SWIFT.
T. W. COOK.

Sept. 30, 1892. Members of the City Council and members of the Board of Health visited Palmers Island, which has been suggested as a suitable location for a hospital for contagious diseases.

Dec. 28, 1892. Another case of small pox reported at this office to-day.

The number of privies removed during the year 1892 by order of the Board was 36.

Following are the number of permits granted by the Board during the year 1892:

To re-inter bodies, 102.

To empty privy vaults and cesspools, 41.

To enter sewers, 473.

Livery and boarding stables, 6.

The number of applications for keeping swine during the year 1892 was 44. Of this number, 40 were granted. Number of notices served, 84.

Respectfully submitted.

NATH. HATHAWAY, Chairman.

On June 3d, the attention of your physician was called to suspicious illness in the middle tenement of house numbered 944 South Water street.

The investigation showed a young man, John Andrews, in the pustular stage of small-pox; two children of George Rivers, at the beginning of the stage of desquamation; a young woman, Andrews, who had had a mild case of varioloid in the desquamative stage; and a baby of George Rivers, two years old, in the pustular stage of small-pox.

Upstairs in the same house a French family lived. A man named York, with his wife and child, were visiting them. This child was in the pustular stage of small-pox.

The small-pox hospital had not been open for eleven years, but everything had been kept in readiness for cases,

and the patients were all transferred to the hospital on the same day.

On the next day, another suspicious case was reported, at 646 South Water street. It was found to be a case of small-pox in the beginning of the pustular stage, the patient being Charles Andrews, a brother of John Andrews. He was immediately transferred to the small-pox hospital. The other people living in both infected houses were transferred to the old poorhouse on French avenue, where a quarantine station was established for persons who it was thought had been in any way exposed to the disease.

The cases had been going on for at least two weeks, and it was impossible to say how far the contagion had gone.

On June 8th, it was reported that William Andrews, a brother of the men who were already in the hospital, was ill. On investigation, he was found to have a mild case of varioloid. He lived at the east end of Coffin avenue. He was transferred to the hospital, and the other people in the house, to the quarantine station.

On June 9th, a case was reported at 305 South Second street. It proved to be a boy with a light case of varioloid. He was quarantined at home, and another family living up-stairs in the house was transferred to the quarantine station.

On June 10th, one of the children of the French family named Lemaux, who had lived up-stairs at 944 South Water street, came down with small-pox at the quarantine station, and was at once transferred to the small-pox hospital. On June 14th, the other Lemaux child also developed small-pox, and was transferred from the quarantine station to the hospital.

On June 15th, Joseph Francis was found to be suffering from small-pox at 169 South Second street. He was em-

ployed by a grocer, and had taken provisions to the Rivers family. He was at once transferred to the hospital. He was seen at the beginning of the vesicular stage. The day after he was transferred he had profuse hemorrhages from the nose, mouth, kidneys, and bowels. There were very few pustules, but ecchimotic spots appeared on his extremities, and on the calf of the left leg there was a slough about two inches across. He died the night of June 16th, and was buried the next day in the burying-ground near the hospital.

The small-pox hospital, being a small building, was crowded, and it was thought best to construct a cheap building, to be used in case other patients had to be brought to the hospital. A building was put up with eight rooms in it. It was not necessary to transfer any case to this building, but it was used for disinfecting purposes. One of the Rivers children, aged 2 years, had a severe confluent case of small-pox, and died from exhaustion. It was buried in the burying ground near the hospital the next day.

On June 18th, a case of small-pox was reported at 592 South First street. This was a French boy who worked in a cotton mill, and had no apparent connection with the other cases. He was at once transferred to the hospital.

He lived in a large three-story tenement house, and it was impossible to take all the inmates to the quarantine station. Only the families living on the same floor where the case occurred were transferred. The others were advised to leave the house, and they did so.

After the discovery of this case, it seemed probable that the epidemic might be extensive, and a general vaccination was advised, and ordered by the Board. This was carried out in all the factories in the city, and in the schools. A house to house vaccination was also ordered in the vicinity of the infected houses.

The physicians were instructed to vaccinate all persons who had not been vaccinated within five years.

All the tenements where cases of small-pox had been found were thoroughly fumigated and cleaned. All the furniture, carpets, and clothing that had been exposed were destroyed. The tenements were washed with corrosive sublimate solution and were entirely painted and papered.

The patients were kept in the hospital until all signs of desquamation had cleared up. Meanwhile they were washed with corrosive sublimate soap. When they were released, they were thoroughly washed with a corrosive sublimate solution and given an entire outfit of new clothing. They were allowed to take nothing away from the hospital.

After being thoroughly disinfected in this way, they were transferred to the quarantine house, and kept there several days before they were allowed to come to the city.

No expense or trouble was spared to do this work thoroughly, and the result was that no new cases developed, either from the infected tenements or from the patients themselves. In the opinion of your physician, the importance of the quarantine station in this epidemic cannot be overestimated. It enabled us to vacate the infected houses at once, and not to have them occupied again until they had been thoroughly disinfected; it removed the persons living in these houses at once from a possible source of infection in the house, and it gave us the opportunity to watch the persons who had possibly been exposed to infection.

Two cases of small-pox appearing in the quarantine house showed the wisdom of this precaution. There were thirteen cases in all: one case of hemorrhagic small-pox, the patient dying before the pustular stage had developed;

one case of confluent small-pox in a child of two years, the patient dying of exhaustion; two severe cases of small-pox, in John and Charles Andrews; three confluent cases, in the two Lemaux children and the York child—all these three children were very ill, but recovered; three cases were mild small-pox,—the two Rivers children and the French boy; and three cases of varioloid.

Following is an abstract from the report of the Health Inspector, William E. Macomber:

To the Board of Health, City of New Bedford:

Gentlemen,—As Health Inspector for the past year, I beg leave to make the following report:

Overflowing vaults and cesspools, 94.
Defective and clogged drains, 54.
Filthy premises, 37.
Filthy barns, 3.
Filthy ash barrels, 16.
Filthy pig pens, 8.
Filthy slaughter house, 1.
Hens in cellars, 8.
Swill nuisances, 7.
Filthy sand-catchers, 5.
Stagnant water, 2.
Dead animals buried, 6.
Houses placarded for contagious diseases, 230.
Notices served, 83.
Unlicensed pigs, 4.

The above does not include the regular inspections. I would state that a great number of complaints made to the Board were, upon investigation, found to be without cause.

Respectfully submitted.

WILLIAM E. MACOMBER.

Following is an abstract from the report of Louis H. Richardson, Inspector of Plumbing:

To the Board of Health, City of New Bedford:

GENTLEMEN,—I herewith present my report for the year ending December 31st, 1892.

Two hundred forty-two new buildings have been plumbed; there have been 387 cases where alterations have been made in the work placed in previous years. Many of the cases required two or more visits for proper inspection. The total number of visits for all work of the year has been 1500.

The adoption of the "water pressure" test as a means of examining work has proved to be a step in the right direction. It enables a more thorough and satisfactory inspection, in a less amount of time than by the system formerly in use.

I would suggest that a regulation be adopted compelling the use of a heavier weight of soil pipe in the lower stories of tall buildings which are being erected in our city.

The sanitary condition of our mill districts has been greatly improved by the removal of the unsightly "privy," and the substitution of water closets within each dwelling house.

All the work has been done in strict accordance with the regulations of the Board.

Respectfully submitted.

LOUIS H. RICHARDSON,
Inspector of Plumbing.

To the Honorable City Council:

This Board herewith respectfully submits its financial statement for the year ending December 31, 1892:

RECEIPTS.

General and special appropriations, as follows:		
General appropriation,	$2,500.00	
Special appropriation, small-pox epidemic,	15,000.00	
Special appropriation, garbage,	6,000.00	
Total appropriations,		$23,500.00
Swine licenses,		43.00
		$23,543.00

EXPENDITURES.

Salaries,	$1,900.00
Garbage,	3,500.00

INCIDENTALS.

N. Hathaway,	$30.75
Dr. W. N. Swift,	98.00
C. H. & H. A. Lawton,	12.80
W. E. Macomber,	2.50
E. Anthony & Sons,	93.75
C. S. & B. Cummings,	.72
"Tug,"	81.00
T. J. Peed,	5.00
Dr. E. E. Waite,	12.50
Kirby & Hicks,	9.00
F. M. Douglass,	10.80
I. Ashley,	26.00
Mercury,	40.89
Journal,	35.91
J. Roland Macy,	1.00
E. Dews,	7.78
Dr. D. C. Ashley,	15.50
Bliss & Nye,	.75
George D. Richards,	.20
William Sherman,	6.50
S. F. Perry,	3.00
E. H. Gammons,	496.00
Dr. W. C. Sheehy,	3.00

Telephone index,	$1.00	
Wright Drug Co.,	1.50	
Inspector,	60.00	
Telephone,	35.00	$1,090.85
		$6,490.85

Following are the expenditures of the small-pox epidemic of the summer of 1892:

S. C. Hunt,	$506.95
C. F. Cushing,	18.44
James Robinson,	45.00
F. P. Mosher,	46.50
Eugene Hayden,	100.50
Samuel Harrison,	13.80
Moynan & Co.,	118.53
Ashley & Peirce,	519.54
T. M. Hart & Co.,	16.95
Pease & Dandurand,	2.87
C. H. & H. A. Lawton,	81.05
Joseph H. Mayo,	4.85
John Bertram,	18.08
Walter B. Peck,	1.25
Mary Quinn,	93.75
E. T. Wilson,	46.00
A. E. Lucas,	5.50
J. E. Bassette,	10.65
Wright Drug Co.,	266.10
Briggs & Lawrence,	880.83
Church & Hammond,	9.00
William Andrews,	26.50
Herbert S. Peirce,	282.97
Belle T. Gray,	474.98
H. O. Firme,	430.00
E. B. Whiting,	257.44
Police Department,	217.80
George Hunter,	983.24
Dr. W. N. Swift,	1,718.00
DeWolf & Vincent,	16.48
S. S. Paine & Bro.,	3.30
Frederick Lamaux,	16.00
T. J. Peed,	574.00
Greene & Wood,	54.64
Taber, Read & Gardner,	233.20

F. M. Douglass,	$1,427.65	
Poor Department,	60.98	
N. P. Hayes,	.50	
Board of Public Works,	23.86	
C. H. Church,	1.35	
Dr. C. D. Prescott,	15.00	
Manuel Brown,	14.00	
W. G. Potter, M. D.,	333.50	
J. F. Sullivan, M. D.,	330.00	
Dr. A. P. Webber,	300.00	
Dr. F. H. Schaake,	199.25	
Dr. W. C. Sheehy,	454.75	
Dr. C. A. B. Peterson,	125.00	
Dr. F. E. Babcock,	151.25	
Dr. W. E. Brownell,	357.75	
Dr. W. J. Nickerson,	214.00	
Dr. M. H. Leonard,	145.00	
Dr. L. Z. Normandin,	175.00	
Dr. A. M. Pierce,	70.00	
Dr. J. T. Bullard,	394.25	
Dr. S. W. Hayes, Dr. H. L. Stevens,	245.25	
Dr. C. R. Hunt,	59.75	
Dr. E. E. Waite,	415.00	
Dr. M. V. Sylvia,	59.25	
Quarantine,	839.37	$14,506.40
Total expense,		$20,997.25
Balance,		$2,545.75

Part of this expense is to be paid to the city by the State.

NATH. HATHAWAY, Chairman.

MORTUARY REPORT FOR 1892.

CAUSE OF DEATH.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Apoplexy,	1	1	2	1	6	.	3	7	2	1	1	1	26
Apoplexy, cerebral,	4	.	1	.	.	.	.	.	.	.	.	.	5
Atelectasis,	.	1	1	.	3	1	1	1	.	.	.	.	8
Abscess,	.	1	.	.	.	.	.	.	.	.	.	.	1
Abscess, abnormal,	.	.	.	1	.	.	.	.	.	.	.	.	1
Abscess, gall bladder,	.	.	.	.	1	.	.	.	.	.	.	.	1
Anæmia,	.	.	.	1	.	.	.	.	.	.	1	1	3
Accident, railroad,	.	.	.	1	.	.	.	.	.	.	.	.	1
Accident, internal injuries,	.	.	.	.	.	.	.	.	.	1	.	.	1
Alcoholism,	.	.	1	.	.	.	.	.	.	.	.	1	2
Ascites,	.	.	.	.	.	.	.	1	.	.	.	.	1
Asphyxia,	.	.	.	.	.	.	.	.	.	.	.	1	1
Bronchitis,	3	2	.	1	3	4	.	.	1	1	1	4	20
Bronchitis, capillary,	2	.	.	3	1	.	.	.	.	.	.	1	7
Burns,	1	.	.	.	1	.	1	4	.	1	.	1	9
Brain disease,	.	1	1	3	2	1	1	.	2	1	2	1	15
Bladder, disease of,	1	.	.	.	.	.	.	1	1	1	2	1	7
Convulsions,	2	1	6	2	1	.	5	2	2	3	5	5	34
Childbirth,	1	.	1	.	1	1	.	.	.	.	.	.	4
Congestion of lungs,	1	.	.	.	.	.	.	.	.	.	1	1	3
Cancer,	1	.	.	.	1	1	2	.	.	1	3	.	9
Cancer of uterus,		.	1	.	1	.	1	2	.	.	.	.	5
Cancer of liver,	.	.	1	.	.	1	.	.	.	1	.	1	4
Cancer of stomach,	.	.	.	2	.	.	.	2	1	.	2	.	7
Cancer of bowels,	.	.	.	.	.	.	.	.	.	.	.	1	1
Cancer of breast,	.	.	.	.	.	2	1	.	.	.	.	.	3
Cirrhosis,	.	.	1	.	.	.	.	.	.	.	.	.	1
Croup,	.	.	1	.	.	.	.	.	.	.	.	.	1
Cholera infantum,	.	.	.	.	.	9	35	21	6	3	.	.	74
Debility,	1	.	.	.	1	1	2	4	1	.	.	.	10
Debility, infantile,	8	4	7	3	4	7	11	11	9	8	11	5	88
Disease of the liver,	.	.	.	.	2	.	2	.	.	.	.	.	4
Drowning,	1	.	1	.	1	2	.	2	2	1	.	.	10
Diabetis, mellitic,	1	.	.	.	1	.	.	.	.	.	1	1	4
Diphtheria,	.	1	.	.	.	.	.	.	2	3	.	2	8
Diarrhœa,	.	1	.	1	.	.	.	.	.	.	.	.	2
Dysentery,	.	1	1	.	1	1	.	2	2	1	.	.	9
Delirium tremens,	.	.	1	.	.	.	.	.	.	.	.	.	1
Erysipelas,	1	.	.	.	.	.	.	.	.	.	.	.	1
Enteritis,	.	.	1	.	.	.	4	2	1	.	1	.	9
Enteritis, gastro,	.	1	1	.	.	1	5	3	1	4	.	1	17
Entero-colitis,	.	.	.	.	.	.	9	1	2	2	.	1	15
Epistaxis,	.	.	.	.	.	.	1	.	.	.	.	.	1
Epilepsy,	.	.	.	.	.	.	.	.	.	.	.	1	1
Fever,	.	.	.	.	.	.	.	.	.	.	.	1	1
Fever, puerperal,	.	.	.	.	.	.	.	.	.	.	.	1	1
Fever, typhoid,	.	.	1	3	1	.	1	1	5	4	.	1	17
Fever, scarlet,	.	.	.	.	1	.	.	.	.	.	.	1	2
Fever, remittent,	.	.	.	.	.	.	.	.	.	.	1	.	1

MORTUARY REPORT FOR 1892—*Continued.*

CAUSE OF DEATH.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Fever, brain,	.	.	.	.	.	.	.	.	.	.	.	1	1
Fracture of spine,	.	.	.	1	.	.	.	.	.	.	.	.	1
Fracture of neck of femur,	.	.	.	.	.	.	.	.	1	.	.	.	1
Fracture of skull,	.	.	.	1	.	.	1	.	.	.	1	.	3
Gastric ulcer,	.	.	1	.	.	.	.	.	1	.	.	.	2
Gastritis,	.	.	.	.	1	.	.	1	1	1	.	.	4
Gunshot wounds,	.	.	.	.	.	.	.	.	.	.	.	1	1
Hydrocephalus,	1	.	1	.	.	.	.	2	.	1	.	.	5
Heart disease,	12	7	12	4	8	4	6	4	6	6	10	5	84
Hemorrhage,	.	.	.	.	.	1	.	.	.	.	.	1	2
Hemorrhage, childbirth,	.	.	.	.	.	.	.	.	.	1	.	.	1
Hemorrhage, internal,	1	.	.	.	.	.	.	.	.	.	.	1	2
Hemorrhage of brain,	1	.	.	.	.	.	.	.	.	.	.	.	1
Hæmatemesis,	.	1	1	.	.	.	.	.	.	.	.	.	2
Hæmoptysis,	.	.	1	.	.	1	1	.	.	.	.	2	5
Heart exhaustion,	.	.	.	.	.	.	1	.	.	.	.	.	1
Hydro-pneumo thorax,	.	.	.	.	.	.	.	.	.	.	.	1	1
Influenza (epidemic),	2	3	.	.	.	.	1	.	.	.	.	.	6
Injuries to head (fall),	.	.	.	.	.	.	.	1	1	.	.	.	2
Intestinal paresis,	.	.	1	.	.	.	.	.	.	.	.	.	1
Inflammation of bowels,	.	.	.	1	.	.	.	.	.	.	.	.	1
Intestinal obstruction,	.	.	3	.	.	.	.	.	.	.	.	.	3
Jaundice,	.	.	.	.	1	.	.	.	.	.	.	.	1
Kidney disease,	5	4	3	5	3	2	2	1	4	3	2	3	37
Locomotor ataxia,	1	.	.	.	.	.	.	.	.	.	.	.	1
Meningitis,	4	2	2	1	2	3	2	2	1	.	1	2	22
Meningitis, cerebro-spinal,	1	1	.	.	.	1	1	1	.	.	1	.	6
Meningitis, tubercular,	.	1	3	2	.	2	2	.	.	2	.	.	12
Malformation,	.	.	.	.	.	.	1	.	.	.	.	.	1
Metritis,	.	.	.	.	.	.	.	.	.	1	.	.	1
Non-closure of fœtal valve,	.	.	.	.	.	.	.	.	1	.	.	.	1
Old age,	1	.	2	.	1	2	2	3	1	.	3	.	15
Opium poisoning,	.	.	.	.	.	.	.	.	1	.	.	.	1
Ovarian cyst,	2	.	.	.	.	.	.	.	.	.	.	.	2
Œdema of lungs,	1	.	.	.	.	.	.	.	.	.	.	.	1
Œdema of glottis,	.	.	1	.	.	.	.	.	.	.	.	.	1
Pneumonia,	10	7	7	4	8	2	1	3	1	2	10	7	62
Pneumonia, pleuro,	1	.	1	.	.	.	.	.	.	1	1	.	4
Pneumonia, broncho,	2	1	2	2	.	.	.	.	1	.	2	2	12
Pneumonia, typhoid,	1	.	.	.	.	.	.	.	.	.	.	.	1
Pleurisy,	1	.	1	2	.	.	.	.	.	.	.	1	5
Paralysis,	3	.	1	3	1	.	2	3	1	.	.	3	17
Premature birth,	5	1	.	2	2	4	1	4	2	.	.	.	21
Phthisis,	12	9	13	7	6	6	6	9	5	14	7	7	101
Peritonitis,	1	2	.	2	1	4	1	1	1	1	.	3	17
Peritonitis, puerperal,	.	.	.	.	1	.	.	.	.	.	.	.	1
Pyæmia,	.	.	1	.	.	.	.	.	.	.	.	.	1
Prostate, enlarged,	.	.	1	.	.	.	.	.	.	.	.	.	1
Rheumatism, articular,	1	.	.	.	.	.	.	.	.	1	.	.	2

MORTUARY REPORT FOR 1892—*Concluded.*

CAUSE OF DEATH.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Septicæmia,	1	.	.	.	1	1	.	.	1	.	.	1	5
Septicæmia, puerperal,	.	1	.	.	.	.	.	.	.	.	.	.	1
Small-pox,	.	.	.	.	.	2	.	.	.	.	.	.	2
Shock due to burns of the body,	.	.	.	.	.	.	1	.	.	.	.	.	1
Sclerosis,	.	.	.	.	.	.	.	.	.	.	1	.	1
Suicide,	.	.	.	.	.	.	.	1	.	.	.	.	1
Sarcoma of upper jaw,	.	.	.	.	.	.	.	.	.	1	.	.	1
Tuberculosis,	1	5	1	1	.	1	.	1	1	.	1	1	13
Tuberculosis of bowels,	.	.	.	.	.	.	.	1	.	.	.	.	1
Tumor,	.	.	.	.	.	.	.	.	.	.	1	.	1
Tumor, ovarian,	.	.	.	.	.	.	1	.	.	.	.	.	1
Tetanus,	.	.	.	.	.	.	.	1	.	.	.	.	1
Unknown,	.	1	.	.	.	.	.	1	.	.	.	.	2
Whooping cough,	2	.	.	3	1	.	.	.	.	.	1	1	8
Whole number of deaths,	102	61	89	63	70	68	118	107	71	72	76	76	973

	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Deaths under 5 years,	30	28	28	25	24	32	74	54	30	30	25	324	12
Stillborn,	5	5	8	5	12	6	8	4	3	8	7	4	75

CONTAGIOUS DISEASES.

	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Diphtheria,	4	7	2	6	7	2	2	1	5	14	6	7	63
Scarlet fever,	7	6	24	24	49	40	5	5	7	8	3	10	188
Typhoid fever,	.	2	6	3	5	4	2	1	25	19	4	3	74
Small-pox,	.	.	.	.	.	13	.	.	.	.	.	1	14
	11	15	32	33	61	59	9	7	37	41	13	21	339

During the past year, 964 vaccinations have been made by the Physician to the Board. This large number was occasioned by the small-pox epidemic.

REPORT OF NEW BEDFORD QUARANTINE FOR 1892.

From May 1st to November, 1892, boarded 14 vessels arriving from foreign ports. No vessels were detained in quarantine, as they brought no cases of contagious diseases.

W. N. SWIFT, Quarantine Officer.

In Board of Aldermen,
May 11, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
May 11, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1893—CITY DOCUMENT NO. 8.

THE

AUDITOR'S ANNUAL REPORT

OF THE

Receipts and Expenditures

OF THE

CITY OF NEW BEDFORD,

INCLUDING

Report of City Treasurer and Collector of Taxes,

FOR THE YEAR 1892.

NEW BEDFORD:
MERCURY PUBLISHING COMPANY, PRINTERS TO THE CITY
1893.

City of New Bedford,

Auditor's Office,

August 1, 1893.

To the Honorable the City Council of New Bedford:

Gentlemen,—Herewith I have the honor to submit the Annual Report of all the Receipts and Expenditures of the city for the financial year ending on the first Monday in January, 1893, together with a statement of the city debt, a schedule of the real and personal property belonging to the city and the estimated value thereof, and such other statements as I have deemed of interest.

Yours respectfully,

GEORGE W. PARKER,

City Auditor.

AUDITOR'S REPORT.

JAMES H. HATHAWAY, ESQ., CITY TREASURER,
IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

DR.

1892, January. To balance of cash,	$15,112.12
Appropriations, general, 1892,	585,451.69
" " 1891,	7,910.20
" " 1890,	3,711.42
" " 1889,	1,958.67
" " 1888,	68.00
" special, 1892,	100,000.00
" " 1891,	150,000.00
Cemeteries,	6,603.66
Cemetery funds,	4,980.00
Com. of Mass., Chap. 279,	2,322.00
" " 301.	6,163.00
Engineering Department,	656.80
Fire Department,	1,698.60
Free Public Library, Trustees of,	3,646.00
" " Dog Fund,	1,274.42
Highways and Streets,	38,200.35
Incidentals,	31.50
N. B. & Fairhaven Bridge,	22.22
N. B. School Committee (Howland Fund),	3,000.00
" " (Jona. Bourne Prize Fund),	60.00
N. B. Water Works.	81,010.62
Parks Fund,	9,335.55
Parks and Squares,	55.55
Police Department,	3,180.67
Poor Department,	8,176.04
Permanent Debt,	10,000.00
Public Schools, Incidentals,	238.00
" " Pay of Teachers,	10.00
" " Dog Fund,	1,274.42

Public Works, Permanent Improvements,	$3.38
Real Estate Tax Account,	158.53
Sewers, General Account,	11,520.05
" Beetle and Howard Streets,	121.77
" Coffin Avenue,	72.03
" Grape Street Extension,	2,185.05
" North Front Street, No. 2,	11.50
" Sawyer Street,	130.95
" Shawmut Avenue, No. 3,	.35
" West French Avenue,	3.20
Temporary Loan,	641,980.08
Trust Funds,	2,000.00
Unappropriated Funds,	90,813.27
	$1,795,151.66

AUDITOR'S REPORT.

JAMES H. HATHAWAY, ESQ., CITY TREASURER,
IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

CR.

1892, Jan. 7. Board of Health,	$21,336.92
Cedar Grove Street School House Addition,	15,265.55
Cemeteries,	12,021.79
City Stable Tool House and Workshop,	6,334.36
Com. of Mass., Chap. 279,	4,243.00
" " " 301,	7,666.50
" " " 447,	1,733.00
Court Judgments,	8,269.33
Engineering Department,	13,120.94
Engine House No. 5 Alterations,	3,998.09
Fire Department,	54,126.85
Free Public Library,	5,834.12
" " Trustees of,	4,621.65
" " Dog Fund,	1,246.65
Grove School Park,	8,100.00
Highways and Streets,	170,853.37
Incidentals,	30,419.78
Kempton Street School House and Lot,	10,457.00
Lighting the Streets,	35,142.68
N. B. and Fairhaven Bridge,	5,490.41
N. B. School Committee (Howland Fund),	2,968.38
" " (Jona. Bourne Prize Fund),	60.00
N. B. Water Works,	96,910.19
Parks Fund,	64,100.00
Parks and Squares,	5,736.87
Police Department,	74,158.82
Police Station and Ward Room, South Water and Blackmer Streets,	7,271.83
Poor Department,	39,194.26
Printing, Binding, and Stationery,	9,609.65

Permanent Debt,	$131,061.38
Public Schools, Incidentals,	33,429.41
" " Pay of Teachers,	96,096.81
" " Repairs of Buildings,	12,781.53
" " Dog Fund,	1,430.75
Public Works, Permanent Improvements,	2,564.52
Real Estate Tax Account,	315.12
Repairs of City Property,	7,891.62
Salaries,	16,290.24
Sewers, General Account,	38,713.07
" Beetle and Howard Streets,	3,150.12
" Belleville Avenue, No. 2,	2,066.31
" Belleville Avenue, No. 3,	447.86
" Coffin Avenue,	423.25
" Coggeshall Street, No. 2,	921.38
" Cottage Street, No. 4,	293.50
" Court Street, No. 3,	2,326.56
" Cove Road,	211.22
" Cove Street, No. 2,	549.40
" Delano Street, No. 2,	412.62
" Emerson Street,	773.05
" Fair Street,	236.22
" Grape Street Extension,	23,822.77
" Harbor Street,	336.28
" Hemlock Street,	209.19
" Jenney Street,	621.66
" Maxfield Street, No. 4,	641.45
" Myrtle Street, No. 2,	2,003.61
" Nelson Street,	761.92
" North Front Street, No. 2,	639.82
" North Front Street, No. 3,	308.39
" Orchard Street, No. 4,	6,537.53
" Peckham Street,	2,452.48
" Sawyer Street,	14,181.96
" Shawmut Avenue, No. 3,	1,325.35
" South First Street, No. 2,	156.81
" South First Street, No. 4,	298.17
" South Front Street, No. 5,	582.32
" Spruce Street,	218.69
" Weld Street, No. 3,	2,002.49
" West French Avenue,	355.48
Sinking Funds,	43,920.00
Temporary Loan,	604,615.63
City Treasury, Balance of Cash,	16,481.73
	$1,795,151.66

EXPENDITURES IN DETAIL.

APPROPRIATIONS, GENERAL, 1892.

DR.

Board of Health,	$2,500.00	
Cemeteries,	2,500.00	
Com. of Mass., Chap. 279,	2,500.00	
" " 447,	1,500.00	
Engineering Department,	20,000.00	
Fire Department,	40,000.00	
Free Public Library,	5,800.00	
Highways and Streets,	115,000.00	
Incidentals,	6,025.00	
Lighting the Streets,	27,000.00	
N. B. & Fairhaven Bridge,	7,000.00	
N. B. Water Works,	12,000.00	
Parks and Squares,	3,000.00	
Police Department,	45,000.00	
Poor Department,	25,000.00	
Printing, Binding, and Stationery,	6,000.00	
Permanent Debt,	123,140.00	
Public Schools, Incidentals,	28,000.00	
" " Pay of Teachers,	70,000.00	
" " Repairs of Buildings,	5,000.00	
Repairs of City Property,	3,000.00	
Salaries,	11,315.00	
Sewers, General Account,	1,500.00	
Sinking funds,	43,920.00	$606,700.00

Cr.

By cash receipts, as per Treasurer's report,	$585,451.69	
Jan. 2, 1893. By balance,	21,248.31	$606,700.00

Dr.

Jan. 2, 1893. To balance,	$21,248.31

APPROPRIATIONS, GENERAL, 1891.

Dr.

Jan. 4, 1892. To balance,	$17,673.46

Cr.

By cash receipts, as per Treasurer's report,	$7,910.20	
Jan. 2, 1893. By balance,	9,763.26	$17,673.46

Dr.

Jan. 2, 1893. To balance,	$9,763.26

APPROPRIATIONS, GENERAL, 1890.

Dr.

Jan. 4, 1892. To balance,	$19,904.24

Cr.

By cash receipts, as per Treasurer's report,	$3,711.42	
Jan. 2, 1893. By balance,	16,192.82	$19,904.24

Dr.

Jan. 2, 1893. To balance,	$16,192.82

APPROPRIATIONS, GENERAL, 1889.

Dr.

Jan. 4, 1892. To balance,		$15,756.80

Cr.

By cash receipts, as per Treasurer's report,	$1,958.67	
Jan. 2, 1893. By balance,	13,798.13	$15,756.80

Dr.

Jan. 2, 1893. To balance,		$13,798.13

APPROPRIATIONS, GENERAL, 1888.

Dr.

Jan. 4, 1892. To balance,		$2,415.78

Cr.

By cash receipts, as per Treasurer's report,	$68.00	
Jan. 2, 1893. By balance,	2,347.78	$2,415.78

Dr.

Jan. 2, 1893. To balance,		$2,347.78

APPROPRIATIONS, SPECIAL, 1892.

Dr.

Board of Health,	$21,000.00
Cedar Grove Street School House Addition,	24,082.50
Cemeteries,	2,550.00
Cemeteries, Oak Grove Tomb,	4,945.75
City Stable Tool House and Workshop,	7,150.00
Engine House No. 5 Alterations,	7,400.00
Fire Department,	9,500.00
Grove School Park,	8,100.00
Highways and Streets,	10,871.03
Incidentals,	14,871.65
Kempton Street School House and Lot,	49,032.00
Lighting the Streets,	4,200.00
Parks Fund,	100,000.00
Police Department,	18,500.00
Police Station and Ward Room, South Water and Blackmer Streets,	10,164.80
Poor Department,	6,000.00
Printing, Binding, and Stationery,	2,100.00
Public Schools, Incidentals,	5,000.00
" " Pay of Teachers,	26,500.00
" " Repairs of Buildings,	5,000.00
Repairs of City Property,	2,440.00
Salaries,	5,000.00
Sewers, General Account,	16,200.00
" Beetle and Howard Streets,	3,200.00
" Belleville Avenue, No. 2,	2,000.00
" Belleville Avenue, No. 3,	800.00
" Coffin Avenue,	8,000.00
" Coggeshall Street, No. 2,	800.00
" Cottage Street, No. 4,	800.00
" Court Street, No. 3,	5,000.00
" Cove Road,	400.00
" Cove Street, No. 2,	675.00
" Delano Street, No. 2,	1,000.00
" Emerson Street,	198.16
" Fair Street,	500.00
" Grape Street Extension,	20,000.00
" Harbor Street,	500.00
" Hemlock Street,	500.00
" Jenney Street,	1,500.00
" Maxfield Street, No. 4,	1,200.00

Sewers,	Myrtle Street, No. 1,	750.00	
"	Myrtle Street, No. 2,	2,400.00	
"	Nelson Street,	2,000.00	
"	North Front Street, No. 2,	1,500.00	
"	North Front Street, No. 3,	500.00	
"	Orchard Street, No. 4,	6,000.00	
"	Peckham Street,	2,600.00	
"	Sawyer Street,	15,000.00	
"	Shawmut Avenue, No. 3,	1,277.35	
"	South First Street, No. 2,	350.00	
"	South First Street, No. 4,	450.00	
"	South Front Street, No. 5,	1,200.00	
"	Spruce Street,	250.00	
"	Weld Street, No. 3,	2,000.00	
"	West French Avenue,	675.00	$444,633.24

Cr.

By cash receipts, as per Treasurer's report,	$100,000.00	
Jan. 3, 1893. By balance,	344,633.24	$444,633.24

Dr.

Jan. 3, 1893. To balance,	$344,633.24

APPROPRIATIONS, SPECIAL, 1891.

Dr.

Jan. 4, 1892. To balance,	$160,871.10

Cr.

By cash receipts, as per Treasurer's report,	$150,000.00	
By transfer to balance,	10,871.10	$160,871.10

BOARD OF HEALTH.

Dr.

SALARIES:

Richardson, Louis H.,	$1,400.00	
Small, Susie J.,	500.00	$1,900.00

GARBAGE:

Gammons, E. H.,		3,996.00

INCIDENTALS:

Ashley, Isaac L.,	$26.00	
Bliss & Nye,	.75	
Cook, T. W.,	15.75	
Cummings, C. S. & B.,	.72	
Dews, Edwin,	2.00	
Douglass, F. M.,	10.80	
Hathaway, Nath'l,	15.00	
Inspector,	60.00	
Kirby & Hicks,	9.00	
Lawton, C. H. & H. A.,	12.80	
Macomber, W. E.,	2.50	
Macy, J. Roland,	1.00	
Mercury Publishing Co.,	6.00	
Peed, T. J.,	10.00	
Perry & Son, S. F.,	3.00	
Richards, Geo. D.,	.20	
So. Mass. Telephone Co.,	35.00	
Swift, Dr. W. N.,	98.00	
Sherman, Wm. H.,	6.50	
Small, Susie J.,	10.00	
Waite, Dr. E. E.,	12.50	
Wright Drug Co.,	1.50	339.02

SMALL POX:

Andrews, Martha,	$150.00	
Antone, Manuel,	60.00	
Ashley & Peirce,	519.54	
Babcock, Dr. F. E.,	151.25	

Bertram, John,	$18.08
Briggs & Lawrence,	880.83
Brown, Manuel,	60.00
Brownell, Dr. William E.,	357.75
Bullard, Dr. John T.,	394.25
Church, C. H.,	1.35
Church & Hammond,	9.00
City Treasurer,	746.52
Cushing, C. F.,	18.44
DeWolf & Vincent,	16.48
Douglass, F. M.,	1,427.65
Firme, H. O.,	430.00
Gray, Belle T.,	474.98
Greene & Wood,	54.64
Harrison, Samuel,	13.80
Hart & Co., T. M.,	16.95
Hayden, Eugene,	100.50
Hunter, George W.,	983.24
Hayes, N. P.,	.50
Hayes, Dr. S. W.,	245.25
Hunt, Dr. C. R.,	59.75
Hunt, S. C.,	506.95
Lawton, C. H. & H. A.,	81.05
Lemoux, Frank,	16.00
Leonard, Dr. M. H.,	145.00
Lucas, A. E.,	5.50
Mayo, J. H.,	4.85
Mosher, F. P.,	46.50
Moynan & Co.,	118.53
Nickerson, Dr. W. J.,	214.00
Normandin, Dr. L. Z.,	175.00
Paine & Bro., S. S.,	2.80
Pease & Dandurand,	2.87
Peck, W. B.,	1.25
Peed, Thos. J.,	574.00
Peterson, Dr. C. A. B.,	125.00
Pierce, Dr. A. M.,	70.00
Pierce, H. S.,	282.97
Police Department,	217.80
Poor Department,	60.98
Potter, Dr. W. G.,	333.50
Quinn, Mary,	93.75
Rivers, Geo. E.,	482.00
Robinson, James,	45.00
Shaake, Dr. F. H.,	199.25

Sheehy, Dr. W. C.,	$457.75	
Street Department,	23.86	
Sullivan, Dr. J. F.,	330.00	
Swift, Dr. W. N.,	1,718.00	
Sylvia, Dr. M. V.,	59.25	
Taber, Read & Gardner,	233.20	
Waite, Dr. E. E.,	415.00	
Webber, Dr. A. P.,	300.00	
Whiting & Co., E. B.,	257.44	
Wilson, E. T.,	46.00	
Wright Drug Co.,	266.10	$15,101.90
		$21,336.92
To transfer,		2,163.08
		$23,500.00

Cr.

By appropriation,	$2,500.00	
By special appropriations,	21,000.00	$23,500.00

CEDAR GROVE STREET SCHOOL HOUSE ADDITION.

Dr.

Fuller & Warren Warming & Ventilating Co.,	$2,655.00	
Miller & Hook,	12,500.00	
Wilson, D. W.,	110.55	$15,265.55
Jan. 2, 1893. To balance,		8,816.95
		$24,082.50

Cr.

By special appropriations,	$24,082.50

Cr.

Jan. 2, 1893. By balance,	$8,816.95

CEMETERIES.

Dr.

Pay-Rolls:		
Oak Grove Cemetery,	$2,677.57	
Rural Cemetery,	3,248.36	$5,925.93
Salaries:		
Cornell, C. F., sexton,	$833.33	
Eldridge, R. S., sexton,	833.33	
Peirce, S. D., Supt. of Burial Grounds,	200.00	1,866.66
Sundries:		
Acushnet Iron Foundry,	$54.00	
Albro, Frank,	7.00	
Baylies, Wm.,	5.40	
Bliss, Geo. C.,	38.81	
Briggs & Lawrence,	.80	
Butts, C. H. W.,	3.00	
Cornell, Chas. F.,	165.60	
Crapo, Peter,	9.00	
Denison Bros.,	21.00	
De Wolf & Vincent,	5.15	
Drake, A. B.,	17.50	
Duff & Son, D.,	97.50	
Dunn, John,	131.60	
Eldridge, R. S.,	48.97	
Enos, Joseph,	140.00	
Ferguson, David,	11.00	
Footman, John W.,	30.05	
Hart & Co., T. M.,	8.73	
Hathaway, A. B.,	123.93	
Handy, Jona.,	9.98	
Hayes, N. P.,	63.10	
Hersom & Co., Thomas,	2.00	
Holmes, D. W.,	77.42	
Jenney & Buffington,	106.30	
Jenney & Son, P. P.,	6.25	
Karcher, Herman,	7.46	
Lawton, C. H. & H. A.,	1.00	
Lowe, S. C.,	1.10	
Manchester, J. W.,	252.04	
McCue, John,	107.35	
Miller & Hook,	5.58	

Mosher, E. D.,	$131.34	
Munroe, J. P. G.,	29.50	
Neagus, Eliza A.,	78.69	
N. B. Cordage Co.,	3.66	
N. B. Water Works,	3.62	
Norwood, John,	10.15	
Paisler, C. S.,	46.75	
Peirce, William,	199.50	
Potomska Mills,	14.50	
Richards, George D.,	19.10	
Sherman, J. H.,	12.62	
Skiff, A. J.,	11.25	
Southern Massachusetts Telephone Co.,	78.00	
Sowle, Fred A.,	130.00	
Sowle, Nat P.,	10.00	
Springer, A. R.,	1.90	
Stowell, B. I.,	192.00	
Sturtevant Bros.,	27.84	
Swan, Edward,	17.24	
Tillinghast, C. W.,	9.10	
Tripp, A. A.,	18.60	
Upham, W. O. T.,	4.20	
Whiteside, John,	71.68	
Wilber, S. B.,	5.25	
Wilbur, S. S.,	8.00	
Wilson & Wordell,	34.60	
Wood, Brightman & Co.,	8.89	$2,736.60
		$10,529.19
Jan. 2, 1893. To balance,		1,350.81
		$11,880.00

Cr.

Jan. 4, 1892. By balance,	$226.34	
Appropriation,	2,500.00	
Special appropriation,	2,550.00	
Cash receipts, as per Treasurer's report,	6,603.66	$11,880.00

Cr.

Jan. 2, 1893. By balance,	$1,350.81

CEMETERIES—OAK GROVE TOMB.

Dr.

Davis, Z. B.,	$1,300.00	
Hunt, S. C.,	192.60	$1,492.60
1893, Jan. 2. To balance,		3,453.15
		$4,945.75

Cr.

By special appropriation,	$4,945.75

Cr.

1893, Jan. 2. By balance,	$3,453.15

CEMETERY FUNDS.

Cr.

1892, Jan. 4. By balance,	$16,664.93
Baxter, Mrs. James P., Rural,	100.00
Chase, Elisha, Pine Grove,	50.00
Chase, Nathan, Rural,	200.00
Corey, John and Orlando, Rural,	100.00
Coxen, Clarissa, Oak Grove,	60.00
Curtis, Richard, Oak Grove,	100.00
Duffee, Elisha, Rural,	100.00
Eddy, Wm., Oak Grove,	100.00
Eldridge, John, Rural,	100.00
Gibbs, Elisha, Rural,	150.00
Grinnell, Lawrence, Oak Grove,	100.00
Hafford, Wm. B., Oak Grove,	100.00
Hall, Margaret, Oak Grove,	75.00
Hewins, Luther G., Rural,	100.00
Hillman, Jethro, Rural,	100.00
Howe, Wm., Rural,	100.00
Howland, Benj. F., Rural,	100.00
Howland, Matthew and George, Friends,	100.00
Howland, Prudence H., Rural,	50.00
Kempton, Eben J., Rural,	100.00
Kirby, Tillinghast, Oak Grove,	100.00
Lythgoe, Joseph, Oak Grove,	100.00
Mayhew, Susan P., Oak Grove,	100.00
Munroe, James, Rural,	100.00
Nelson, Nathaniel, Rural,	100.00
Nicholson, Edward F., Rural,	50.00
Nye, Obed, Pine Grove,	100.00
Otto, Frederick, Oak Grove,	100.00
Peirce, Amy A. S., Rural,	50.00
Peirce, Mary M., Oak Grove,	100.00
Potter, Abby J., Oak Grove,	100.00
Sherman, Catherine, Rural,	50.00
Simmons, Phebe A., Oak Grove,	50.00
Sisson, Ann E., Oak Grove,	50.00
Sturtevant, Levi H., Oak Grove,	35.00
Swan, C. L., Rural,	100.00
Tripp, Adam L., Rural,	100.00
Tripp, C. F., and J. W. Cornell, Oak Grove,	100.00
Wilber, William H., Oak Grove,	100.00

Wheaton, James, Oak Grove,	$60.00	
Whiteside, Thomas H., Oak Grove,	100.00	
Woodyear, Elizabeth H., Rural,	150.00	
Wood, Elizabeth T., Rural,	1,000.00	
Wood, W. A., Rural,	100.00	$21,644.93

CITY STABLE TOOL HOUSE AND WORKSHOP.

Dr.

Hunt, S. C.,	$334.36	
Jordan, Patrick,	6,000.00	$6,334.36
Jan. 2, 1893. To balance,		815.64
		$7,150.00

Cr.

By special appropriation,	$7,150.00

Cr.

Jan. 2, 1893. By balance,	$815.64

COMMONWEALTH OF MASSACHUSETTS.

Chapter 279.

1892, Jan. 4. To balance,	$2,408.97	
To amount paid by city for State aid,	4,243.00	$6,651.97

Cr.

By appropriation,	$2,500.00	
By cash receipts, as per Treasurer's report,	2,322.00	$4,822.00
1893, Jan. 2. By balance,		1,829.97
		$6,651.97

Dr.

1893, Jan. 2. To balance,	$1,829.97

COMMONWEALTH OF MASSACHUSETTS.

Chapter 301.

Dr.

1892, Jan. 4. To balance,	$5,777.55	
To amount paid by city for State aid,	7,666.50	$13,444.05

Cr.

By cash receipts, as per Treasurer's report,	$6,163.00	
1893, Jan 2. By balance,	7,281.05	$13,444.05

Dr.

1893, Jan. 2. To balance,	$7,281.05

COMMONWEALTH OF MASSACHUSETTS.

Chapter 447 of 1890.

Dr.

To amount paid by city for State aid,		$1,733.00

Cr.

By appropriation,	$1,500.00	
Jan. 2, 1893. By balance,	233.00	$1,733.00

Dr.

Jan. 2, 1893. To balance,	$233.00

COURT JUDGMENTS.

Dr.

Jan. 4, 1892. To balance,	$2,128.47	
National Bank of Commerce,	3,778.68	
" "	4,490.65	$10,397.80

Cr.

Jan. 2, 1893. By balance,	$10,397.80

Dr.

Jan. 2, 1893. To balance,	$10,397.80

ENGINEERING DEPARTMENT.

Dr.

Pay-rolls,	$2,677.59	
Benoit, A. V.,	28.50	
Brightman & Washburn,	71.98	
Buff & Berger,	30.15	
Carter, Rice & Co.,	53.00	
Church & Hammond,	.60	
Cram, G. F.,	4.00	
Drake, A. B.,	8,345.00	
Evening Journal Co.,	.85	
Frost & Adams,	145.65	
Greene & Wood,	13.00	
Hart & Akin,	6.60	
Haskell & Tripp,	2.74	
Hatch & Co.,	1.95	
Hayes, N. P.,	3.60	
Keufel & Esser Co.,	102.01	
Lawton, J. M., Jr.,	2.06	
Moody, James E.,	30.55	
Moynan & Co.,	.39	
Nye, W. F.,	.50	
Paving and Municipal Engineering,	1.00	
Slocum, F. R.,	4.25	
Southern Massachusetts Telephone Co.,	21.00	
Spencer, S. M.,	27.10	
Street Department,	1,369.52	
Taber, Robert W.,	6.35	
Union Street Railway Co.,	165.00	
Van Nostrand Co., D.,	4.50	
Wing, C. F.,	1.50	
To transfers,	7,786.50	$20,907.44

Cr.

1892, Jan. 4. By balance,	$250.64	
Appropriation,	20,000.00	
Cash receipts, as per Treasurer's report,	656.80	$20,907.44

ENGINE HOUSE NO. 5 ALTERATIONS.

Dr.

Hunt, S. C.,	$434.95	
Miller & Hook,	3,563.14	
1893, Jan. 2. To balance,	6,901.91	$10,900.00

Cr.

1892, Jan. 4. By balance,	$3,500.00	
Special appropriation,	7,400.00	$10,900.00

Cr.

1893, Jan. 2. By balance,	$6,901.91

FIRE DEPARTMENT.

Dr.

PAY-ROLLS:		
Permanent men,	$24,073.92	
Engine companies,	13,855.22	
Board of Engineers,	2,279.88	
Protecting Society,	150.00	$40,359.02
REPAIRS OF ENGINES, HARNESSES, ETC.:		
Acushnet Iron Co.,	$23.04	
Allen, Jesse,	19.97	
American Tube Works,	9.46	
Brownell, Geo. L.,	32.64	
Brownell, Ashley & Co.,	177.78	
Callahan Co., Cornelius,	7.50	
Chadwick, H. E.,	12.50	
Clapp & Jones Mfg. Co.,	2.00	
Cronin, Wm.,	103.79	
Cushing, C. F.,	16.85	
Flynn, John A.,	202.25	
Gardner & Southwick,	28.78	
Greene & Wood,	18.03	
Hathaway, Henry C.,	219.72	
Hathaway, L. J.,	3.25	
Healey, T. F.,	68.80	
Hersey, W. A.,	10.15	
Huddy, G. G.,	18.85	
Jason, Alonzo V.,	50.00	
Lowell, Clarence,	3.50	
Macy, E. B.,	76.25	
Manchester Locomotive Works,	9.60	
Saddlery Hardware Mfg. Co.,	6.00	
Sargent, F. H.,	35.75	
Silvia, John,	1.20	
Washburn, William H.,	4.25	1,161.91
REPAIRS OF ENGINE HOUSES:		
Ballou, Jason L.,	$169.06	
Greene & Wood,	172.20	
Hammond, F. W.,	34.55	
Hart & Akin,	2.41	
Hickey, M. A.,	7.60	
Lowe, S. C.,	243.22	

Montey, Frank,	$4.88	
Moriarty Bros.,	38.33	
N. B. Boiler & Machine Co.,	34.72	
Nelson, George,	9.48	
Penney, E. F.,	3.59	
Snow, Estate of R. W.,	117.13	
Sowle & Co., F. L.,	7.34	
Spooner, Frank,	11.20	
Tillinghast, W. A.,	9.29	
Washburn, F. P.,	61.10	
West, W. R.,	87.83	
Wilber, S. B.,	72.90	$1,086.83
HAY, GRAIN, AND FUEL:		
Baylies, William,	$463.46	
Brayton, George H.,	262.21	
Brownell, J. T.,	64.60	
Cornell, Pardon,	427.99	
Denison Bros. Co.,	248.61	
Delano, A. J.,	11.47	
Duff & Son, David,	17.56	
Hart & Akin,	723.47	
Hathaway, W. E.,	173.99	
Jenney, W. A.,	14.95	
Kirk, John,	320.17	
Notter, John,	101.63	
Poor Department,	486.15	
Potter, D. H.,	444.88	
Sherman, J. G.,	23.94	
Stanton, James E.,	68.65	
Tinkham, N.,	44.65	
Tinkham, N. B.,	95.00	
Wing, Samuel,	48.40	4,041.78
SUPPLIES:		
Beattie Zinc Works,	$111.75	
Bird, J. A. & W.,	71.96	
Callahan Co., Cornelius,	532.89	
Cobb, Geo. A.,	22.35	
De Wolf & Vincent,	26.97	
Dietz Co., R. E.,	30.00	
Driscol, Church & Hall,	78.39	
Handy, Jona.,	.94	
Homer, Geo. S.,	19.00	
Jackson, A. S.,	38.50	

Jenney & Son, P. P.,	$3.00	
Kirby, C. L.,	6.70	
Mitchell Mfg. Co., A. W.,	2.85	
Municipal Fire and Police Telegraph Co.,	150.00	
N. B. Cordage Co.,	6.31	
N. E. Gamewell Co.,	408.70	
Okonite Co.,	11.25	
Pairpoint Manufacturing Co.,	8.75	
Richards, George D.,	27.11	
Simmons & Co., G. W.,	9.00	
Southern Massachusetts Telephone Co.,	8.20	
Sowle & Co., F. L.,	3.10	
Sullings, Kingman & Co.,	43.29	
Taber, R. H.,	14.75	
Tripp, S. A.,	15.05	
Wamsutta Mills,	15.00	
Washburn & Moen Manufacturing Co.,	59.06	
Williams, J. S.,	65.50	$1,790.37

MISCELLANEOUS:

Acushnet Iron Foundry,	$.42	
Anthony & Sons, Inc., E.,	112.51	
Ashley, Isaac L.,	15.75	
Baylies, J. B.,	63.00	
Bancroft, J. V.,	76.00	
Bertram, John,	32.00	
Bliss & Nye,	21.06	
Braley, L.,	2.40	
Briggs, D. D.,	31.57	
Briggs, N. C.,	6.00	
Briggs & Lawrence,	163.30	
Brightman, W. P.,	21.00	
Brownell, Heirs of Joseph,	100.00	
Brownell, Ashley & Co.,	78.84	
Caswell, N. H.,	34.03	
Callahan Co., Cornelius,	36.75	
Covell, A. H.,	2.25	
Cranston, O. W.,	2.00	
Croacher, T. W.,	2.25	
Cummings, C. S. & B.,	.15	
Cundall & Co., C. D.,	3.25	
Daniels, Dr. A. C.,	12.00	
Dews, Edwin,	23.50	
Donaghy, Thomas,	9.90	
Douglass, F. M.,	2.25	

Duddy, James,	$3.25
Dunlap, A. A.,	149.00
Durfee, E. M.,	258.73
Fichtenmeyer & Flynn,	18.25
Flynn, John A.,	119.16
Footman, John W.,	52.75
Gifford, Geo. H.,	10.00
Gray, C. A.,	25.11
Hancock Eng. Co.,	3.00
Hart & Co., T. M.,	29.40
Hatch & Co.,	1.90
Hathaway, A. E.,	108.95
Hayes, N. P.,	3.93
Hiscock, Wm.,	12.50
Johnson & Howland,	12.00
Kelley, C. S.,	63.50
Kennedy, W. C.,	12.50
Kenyon, H. W.,	30.00
Lawton, C. H. & H. A.,	5.83
Littlefield, L. A.,	8.50
Macy, E. B.,	29.10
Macy, Frederick,	367.99
Maine, H. M.,	8.50
Manchester, I. H.,	38.00
Mercury Publishing Co.,	6.00
N. B. Boiler & Machine Co.,	5.28
N. B. Gas & Edison Light Co.,	698.68
N. B. Ice Co.,	51.32
Old Colony Railroad Co.,	104.61
Pease, F. R.,	4.10
Pierce, E. H.,	8.00
Purrington & Brown,	.66
Reynolds, E. G.,	11.00
Russell, Pardon, Jr.,	30.29
Shea, Michael,	25.00
Sheehan, Timothy,	8.45
Sherman, William H.,	9.00
Sherman & Habicht,	4.00
Shurtleff, I. H.,	4.30
Snow, George,	15.00
Southern Massachusetts Telephone Co.,	415.00
Street Department,	166.28
Swan, Edward,	1.00
Thomas, George,	41.60
Tripp, S. A.,	4.90

Waite & Co., B. H.,	$9.36	
Warren, David,	10.00	
Welch & Hall,	1,600.00	
Wells, Dr. H. B.,	48.00	
Whiting & Co., E. B.,	92.00	
Wing, C. F.,	38.46	
Wright Drug Co.,	$50.62	$5,686.94
		$54,126.85

Cr.

By appropriation,	$40,000.00	
Special appropriations,	9,500.00	
Cash receipts, as per Treasurer's report,	1,698.61	
Transfer from unappropriated funds,	1,400.00	
Transfer to balance,	1,528.25	$54,126.86

FREE PUBLIC LIBRARY.

Dr.

SALARIES:		
R. C. Ingraham, Librarian,	$2,250.00	
W. L. R. Gifford, Assistant Librarian,	1,500.00	
Mary E. Brown, assistant,	540.00	
Susie H. Gammons, assistant,	540.00	
Josephine A. Merrick, assistant,	540.00	$5,370.00
MISCELLANEOUS:		
Almy & Hitch,	$1.10	
Almy & Milne,	6.00	
Anthony & Sons, Inc., E.,	134.91	
Bradish & Co., J. Q.,	6.00	
Carter, Rice & Co.,	36.00	
Dews, Edwin,	206.69	
Evening Journal Co.,	20.60	
Goss, F. B. & F. P.,	4.00	
India Alkali Works,	11.13	
Library Bureau,	8.00	
Mercury Publishing Co.,	15.81	
Searles, Mortimer,	6.50	
Wing, C. F.,	5.38	
Women's Temperance Pub. Association,	2.00	464.12
		$5,834.12

Cr.

By appropriation,	$5,800.00	
By transfer to balance,	34.12	$5,834.12

FREE PUBLIC LIBRARY—TRUSTEES.

(INCOME DERIVED FROM TRUST FUNDS.)

DR.

BOOKS, PERIODICALS, NEWSPAPERS, ETC.:

Academy of Natural Sciences,	$5.00
Appleton & Co., D.,	13.50
American Journal of Philology,	3.00
American Library Association,	10.00
Anthony & Sons, Inc., E.,	134.75
Bancroft, Whitney Co.,	28.00
Biblia Publishing Co.,	1.00
Birdsong, J. G., Librarian,	50.00
Boston Public Library,	1.00
Clarke & Co., W. B.,	1.66
City Treasurer,	166.28
Codby, J. H. W.,	2.64
Cunningham, G. T.,	320.00
Cutter, C. A.,	4.25
Damrell & Upham,	9.50
Dedham Historical Register,	1.00
Dews, Edwin,	500.23
Ellis, Geo. H.,	2.00
Essex Institute,	6.00
Evening Journal Co.,	5.00
Francis, D. G.,	5.16
Foster, L. S.,	36.00
Georges Society,	4.00
Ginn & Co.,	1.50
Gidley, S. G.,	12.00
Goodspeed, A. McL.,	99.00
Harper, F. H.,	1.97
Harvard Graduates Magazine,	1.00
Houghton, Mifflin & Co.,	53.50
Hutchinson & Co., H. S.,	664.18
Inman, H. S.,	10.00
Jones & Co., G. V.,	4.75
Lawrence, L. L.,	17.76
Little, Brown & Co.,	809.58
Littlefield, G. E.,	157.67
Library Bureau,	2.00
Lowdermilk & Co., W. H.,	5.00
Macomber, P. A.,	2.50

Mason, D.,	$20.00	
Massachusetts Historical Society,	6.00	
McDonough, Joseph,	5.00	
Morrell, T. H.,	3.65	
Morrison, L. A.,	3.50	
Munsell's Sons, Joel,	5.00	
Nash, E. W.,	5.00	
N. E. Magazine,	3.00	
O'Shea, P.,	11.25	
Parish Pub. Co.,	19.80	
Phillips, George R.,	3.00	
Poor & Co., H. V. & H. W.,	9.00	
Publishers Weekly,	3.00	
Ricketson, Daniel,	15.00	
Roberts, S. R.,	40.00	
Roffe & Co., A. H.,	266.35	
Sampson, Murdock & Co.,	1.00	
Shea, J. G.,	5.00	
Skinner, John,	5.25	
Schoenhof, Carl,	121.31	
Studies in History and Politics,	3.60	
Taber, Robert W.,	488.56	
Taber & Co., Charles,	35.50	
University of Penn.,	2.00	
United States Patent Office,	31.20	
Waldron, C. D.,	1.00	
Woodward, C. L.,	6.30	
Yorston Bros.,	350.00	$4,621.65
1893, Jan. 2. To balance,		3,598.36
		$8,220.01

Cr.

1892, Jan. 4. By balance,	$4,574.01	
Cash receipts, as per Treasurer's report,	3,646.00	$8,220.01

Cr.

1893, Jan. 2. By balance,	$3,598.36

FREE PUBLIC LIBRARY—DOG FUND.

Dr.

Ames, Y. W.,	$734.35	
Anthony & Sons, Inc., E.,	35.92	
Briggs & Lawrence,	14.85	
Carter, Rice & Co.,	30.00	
Gammons, Lottie M.,	115.50	
McAuliff, D. J.,	74.00	
Mercury Pub. Co.,	27.53	
Merrick, Emma J.,	207.00	
Pierce & Bushnell Mfg. Co.,	7.50	$1,246.65
1893, Jan. 2. To balance,		693.42
		$1,940.07

Cr.

1892, Jan. 4. By balance,	$665.65	
Cash receipts, as per Treasurer's report,	1,274.42	$1,940.07

Cr.

1893, Jan. 2. By balance,	$693.42

GROVE SCHOOL PARK.

Dr.

Harrison, Eben L.,	$2,100.00	
Potomska Mills Co.,	6,000.00	$8,100.00

Cr.

By special appropriation,	$8,100.00

HIGHWAYS AND STREETS.

Dr.

Pay-rolls,		$93,517.01
Teaming:		
Allen, A. W.,	$11.25	
Ashley, Dr. D. C.,	55.75	
Ashley, H. T.,	600.00	
Brownell, Ashley & Co.,	94.68	
Butts, C. H. W.,	.50	
Coggeshall, Maxfield & Co.,	1.25	
Corson, T. S.,	74.09	
Crapo, Peter,	9.00	
Cronin, William,	150.03	
Cushing, C. F.,	249.87	
Daniels, Dr. A. C.,	72.00	
Dunlap, A. A.,	10.00	
Dwelley, W. H.,	195.08	
Fichtenmeyer & Flynn,	10.25	
Footman, John W.,	7.15	
Fuller, N. T.,	17.00	
Gage, J. N.,	89.88	
Gomley, John A.,	200.00	
Greene & Wood,	.43	
Hathaway, A. E.,	35.75	
Hathaway, H. C.,	200.00	
Hathaway, L. J.,	615.78	
Huddy, G. G.,	19.20	
Jenney & Son, P. P.,	32.20	
Perkins & Chase,	5.00	
Pierce, A. J.,	3.00	
Refuse, R. T.,	.75	
Scollay & Rich,	16.10	
Smith & Goold,	3.00	
Smith, W. C., Agt.,	27.00	
Sweeney, Daniel,	15.00	
Wells, Dr. H. B.,	80.00	
Wright Drug Co.,	17.93	2,918.92
Hay and Grain:		
Alden, Seth,	$33.84	
Baylies, Wm.,	1,934.65	
Blossom, E.,	14.80	
Brayton, Geo. H.,	220.97	

Dahl, James,	$68.44	
Denison Bros. Co.,	3,123.59	
Dwelley, W. H.,	251.75	
Hathaway, W. E.,	504.40	
Lawrence, J. H.,	138.78	
Swift, Elise,	513.57	$6,804.79
REPAIRS OF ROLLER AND CRUSHERS, ETC.:		
Acushnet Iron Co.,	$11.60	
Ames Iron Works,	47.75	
Babbitt & Wood,	5.00	
Bowker & Tripp,	1,876.74	
Crosby Steam Gage and Valve Co.,	8.75	
Farrell Foundry & Machine Co.,	255.48	
Kelley Co., O. S.,	4,014.08	
Luscomb & Cory,	92.58	
N. B. Boiler & Machine Co.,	9.45	
Popes Island Mfg. Co.,	42.26	
Sampson, G. H.,	46.81	
Waite, Williams & Co.,	95.97	
Wellington, A. J.,	23.00	
Whipple, W. F.,	43.35	6,572.82
SUPPLIES AND MATERIAL:		
Abbott Dowing Co.,	$24.00	
Allen, A. W.,	13.50	
Ames Plow Co.,	626.36	
Ashley, H. T.,	36.41	
Ashley, Mary P.,	186.65	
Austin, Michael,	8.77	
Bailey, G. P.,	8.75	
Ballou, J. L.,	5.12	
Beetle and Howard Streets Sewer,	.80	
Bertram, John,	21.42	
Boomer, Thomas,	46.04	
Borden, G. B.,	4.13	
Bourbo, Walter,	7.56	
Bosworth, Sarah M.,	5.68	
Brightman, W. H.,	7.96	
Brownell, C. H. & Son	.50	
Brownell, C. T.,	53.24	
Brownell, H. M.,	6.04	
Brownell & Murkland,	100.30	
Brownson, Leonard,	9.76	
Burke, James,	10.18	

Burns, James,	$97.31
Butler, W. P.,	22.29
Butts, C. H. W.,	24.94
Carroll, Thomas,	24.99
Central Union Association,	4.03
Chaffee, Zachariah,	147.25
Charet, C.,	.30
Cobb, G. A.,	68.80
Coggeshall, C. W.,	77.63
Coggeshall, Maxfield & Co.,	3.35
Connell, John,	15.71
Cornell, C. A.,	2.82
Cornell, C. A. & J. H.,	22.69
Cornell, J. H.,	42.45
Corson, T. S.,	299.15
Covell, A. H.,	78.91
Crapo, G. G.,	76.80
Crapo, Peter,	1,026.31
Crapo, W. H.,	10.25
Cummings, C. S. & B.,	72.00
Curtis, M. E.,	16.62
Cushing, C. F.,	25.49
Dawson, Benjamin,	7.75
Delano, F. E.,	9.51
Denault, Fred.,	6.62
Denault, Moses,	36.53
Demoranville, W. F.,	11.04
DeWolf & Vincent,	7.20
Doane, A. M.,	1.54
Driscoll, Church & Hall,	131.27
Duff & Son, John,	1,557.80
Duddy, James,	2.22
Dufresne, Adolph,	36.32
Dunn, John,	94.47
Eaton, William S.,	13.21
Enos, Antone,	8.36
Enos, Manuel,	1.58
Equi, Louis,	846.60
Farrell Foundry & Machine Co.,	35.84
Ferguson, David,	5.78
Gammons, Edgar H.,	7.23
Gardner & Southwick,	6.00
General Sewers,	3,108.43
Geralds, J. H.,	4.74
Gibbs, William,	18.58

Gifford, Charles,	$30.79
Gifford, C. T. W.,	36.68
Gifford, T. J.,	9.89
Gill, Severn,	23.52
Goodreau, Dolly,	41.24
Grape Street Sewer,	116.48
Gray, C. A.,	20.60
Greene & Wood,	156.80
Gregoire, Napoleon,	.59
Gregoire, Peter,	180.25
Grew, David, Jr.,	107.12
Gurney, F. J.,	59.21
Gurl, J. H.,	20.61
Hammond, J. N.,	123.05
Hammond, W. H.,	101.28
Handy, Jonathan,	1,007.92
Hart & Akin,	3.13
Haskell, Chas.,	2.56
Hathaway, H. W.,	126.81
Hathaway, J. H.,	10.10
Hathaway, J. S.,	12.55
Hathaway, L. J.,	112.50
Hathaway, P. E.,	125.25
Hathaway, P. S.,	90.69
Hawes, S.,	3.00
Hawes, S. T.,	89.50
Hayes, N. P.,	234.43
Hicks, H. E.,	64.05
Howland, C. E.,	104.50
Howland, Estate Sylvia Ann,	15.00
Homer, George S.,	81.12
Hubbard, J. N.,	78.81
Hutchings, Fred.,	172.77
Jenkins, B. S.,	20.14
Jenks, A. F.,	47.93
Jenney & Buffington,	35.25
Jones, John,	18.17
Kennedy, J. P.,	51.38
Kent, Chancellor,	13.45
Kenney, Thomas,	32.44
Kenyon, H. W.,	329.04
King, R. B.,	59.34
Kirby, George, Jr., & Co.,	6.35
La Franc, Nelson,	11.39
La Pointe, Isadore,	91.55

Larochelle, Baptiste,	$3.40
Lawrence, H. W.,	150.38
Lawrence & Westgate,	13.54
Lawton, Russell,	13.01
Lepen, L.,	8.27
Lowe, S. C.,	869.19
Luce, Thomas,	43.02
Mack, J. F.,	96.61
Macomber, W. P.,	9.17
Manchester, J. W.,	145.61
McCabe, John,	14.70
McCrohan, Timothy,	36.07
McCullough, John,	8.40
Morse, Edward,	7.28
Murkland, James,	12.05
Murkland, J. H.,	148.05
Nash, T. N.,	7.65
N. B. Cordage Co.,	154.27
N. B. Gas & Edison Light Co.,	688.50
Noon, Antone,	75.26
Norton, Edwin F.,	3.73
Norton, Geo. W.,	68.93
Nye, W. F.,	1.50
O'Leary, Patrick,	109.83
Paine & Bro., S. S.,	20,650.48
Paisler, C. S.,	2,438.58
Parker, C. R.,	5.56
Peckham, Benj.,	548.88
Peckham, Reuben,	83.21
Peirce, E. H.,	7.00
Peirce, J. H.,	69.48
Perkins & Chase,	4,305.54
Perry, Joseph,	56.14
Perry, J. F.,	16.57
Poole, Alice M.,	29.82
Poole, A. T.,	31.68
Poole, I. G.,	10.65
Poole, P. S.,	34.20
Poole, Richard,	.80
Poole, R. D.,	15.13
Poole, R. D. & Co.,	43.90
Potter, B. J.,	37.65
Potter, G. A.,	20.74
Potter, Sarah C.,	20.21
Power, William,	14.05

Quirk, Patrick,	$24.89
Reed, E. W.,	74.78
Richards, George D.,	83.90
Reynolds, Edward,	15.32
Robinson, A. J.,	195.58
Rogers, Abiatha,	173.23
Rogers, E. D.,	7.55
Rogers, Emily D.,	47.77
Rogers, George W.,	1.23
Rogers, J. H.,	14.24
Rotch Spinning Corporation,	2,707.00
Roy, Arthur,	16.53
Russell, Pardon, Jr.,	55.27
Sawyer Street Sewer,	87.58
Schultz, Laura A.,	15.39
Seabury, Warren,	34.90
Shawmut Avenue Sewer,	.35
Shea, Michael,	396.06
Simmons, E. E.,	188.60
Sisson, C. S.,	6.00
Skiff, Andrew,	20.40
Skiff, A. C.,	36.31
Skiff, A. J.,	20.57
Sowle & Co., F. L.,	509.88
Spencer, F. J.,	146.22
Spencer's Woodyard,	22.75
Spooner, C. F.,	70.42
Spooner, Geo.,	3.72
Spoooner, G. H. & Bro.,	90.36
Spooner, J. A.,	107.54
Spooner, J. A., 2d,	6.32
Spooner, J. L.,	57.40
Spooner, J. W.,	511.19
Stowell, B. I.,	189.22
Strong, Albert,	62.73
St. Clair, Bruno,	104.31
Sullivan, J. B.,	376.88
Suprenault, Moses,	74.76
Sweeney, Daniel,	13.10
Sylvia, Frank,	141.44
Sylvia, Joseph,	81.97
Sylvia, J. L.,	69.21
Sylvia, Manuel,	41.97
Sylvia, M. L.,	105.88
Taber, E. C.,	13.35

Taber, Walter,	$8.98	
Tillinghast, W. A.,	565.91	
Tinkham, J. M.,	34.29	
Tripp, E. B.,	93.22	
Tripp, Herbert,	14.19	
Tripp, Peleg A.,	21.30	
Tripp, Thos. B.,	44.00	
Union Street Railway Co.,	77.92	
Upham, W. O. T.,	25.17	
Vera, Manuel G.,	12.00	
Waite, Williams & Co.,	42.92	
Wakefield Rattan Co.,	120.75	
Wamsutta Mills,	39.00	
Westgate, Abial,	8.81	
Westgate, Clarence,	35.83	
Westgate, Jonathan,	17.23	
White, G. H.,	40.69	
White, R. W.,	156.24	
Whitehead, John,	18.53	
Whiteside, Thomas,	3.00	
Whiteside, John,	7.09	
Wilber, J. A. C.,	1.36	
Wilbur, G. F.,	6.25	
Wilbur, James T.,	253.05	
Wilbur, S. B.,	14.57	
Wilbur, S. S.,	74.88	$53,271.05
MISCELLANEOUS:		
Allen, A. W.,	$77.81	
Anthony & Sons, Inc., E.,	12.00	
Ashley, Isaac L.,	34.00	
Babbitt & Wood,	81.93	
Ballard & Kirschbaum,	1.00	
Bancroft, J. V.,	11.00	
Beetle, R.,	60.00	
Braley, William,	12.00	
Briggs & Lawrence,	1.42	
Brightman, C. O.,	18.00	
Brownell, Ashley & Co.,	40.94	
Brownell, G. A.,	29.45	
Burgess & Thomas & Son,	60.88	
Burgess, J. M.,	24.00	
Chace, Albert A.,	10.00	
Cobb, Geo. A.,	4.85	
Cook, S. H.,	137.85	

Covil, A. E.,	$18.00
Crapo, Peter,	1.00
Crosby Steam Gage & Valve Co.,	10.00
Cummings, C. S. & B.,	1.00
Cushing, C. F.,	15.93
Davis, William,	4.00
Delano, F. E.,	76.93
Drake, A. B.,	220.52
Engineering Department,	240.46
Faunce, L. H.,	1.95
Frost & Adams,	15.60
Gifford, Jireh B.,	771.00
Greenough, W. H. & Co.,	4.00
Hammond, H. S.,	4.00
Hart & Akin,	77.55
Hart, T. M. & Co.,	40.59
Haskell, Edward S.,	19.30
Haskell & Tripp,	.80
Hatch & Co.,	63.78
Hathaway, L. J.,	65.15
Hersom, Thos. & Co.,	37.30
Hickey, M. A.,	126.67
Holmes, A. W.,	6.00
Hough, Drs. G. T. & G. de N.,	22.00
Hunt, S. C.,	25.00
Jenkins, B. S.,	97.86
Jenney, W. B.,	9.03
Jenney, P. P. & Son,	35.20
Jenney & Buflington,	366.52
Jordan, Patrick,	188.35
Journal Publishing Co.,	.73
Kirby & Hicks,	6.50
Lawton, J. M., Jr.,	1.00
Library Bureau,	71.75
Luce, T. R.,	150.00
Mandell, S. G.,	15.00
McGrath, Michael,	33.66
Mercury Publishing Co.,	6.00
Neagus, A. S.,	54.33
N. B. & Fairhaven Bridge,	22.22
N. B. Gas & Edison Light Co.,	455.86
N. B. Ice Co.,	19.30
N. B. Water Works,	174.95
Niles, John,	1.04
Oesting, F. William,	50.00

O. C. Railroad Co.,	$32.79	
O. C. Steamboat Co.,	3.28	
Odd Fellows Building Association,	1,000.00	
Parker, Valentine,	1.80	
Parks and Squares,	7.30	
Paulding, Candido,	25.00	
Peirce, E. M.,	23.75	
Peirce, J. H.,	86.81	
Perry, S. F. & Son,	18.50	
Purrington & Brown,	.50	
Richards, Geo. D.,	14.35	
Richards, W. D.,	6.00	
Richter, G. H. & Co.,	40.00	
Sawyer, S. P.,	24.98	
Searles, Mortimer,	4.25	
Sherman, D. W.,	1,501.36	
Sherman, James L.,	219.38	
Sherman, W. D.,	.25	
Sherman, W. H.,	48.00	
So. Mass. Telephone Co.,	156.97	
Sowle, F. A.,	6.00	
Sowle, N. P.,	2.00	
Sturtevant & Sherman,	12.75	
Swan, Edward,	5.75	
Sylvia, Dr. M. V.,	2.00	
Taber, A. F. H.,	60.44	
Taber, Charles G.,	2.88	
Taber, R. W.,	6.90	
Thomas, George,	12.24	
Tillinghast, W. A.,	49.30	
West, W. R.,	.75	
Wing, C. F.,	1.50	
Wood, Brightman & Co.,	146.04	$7,768.78
		$170,853.37

Cr.

By appropriation,	$115,000.00	
By appropriations, special,	10,871.03	
Cash receipts, as per Treasurer's report,	38,200.35	
Transfer to balance,	6,781.99	$170,853.37

INCIDENTALS.

Dr.

ADVERTISING:		
Guild & Co., Curtis,		$7.00
ASSESSORS:		
Abrams, W. J.,	$113.50	
Board of Assessors,	75.00	
Chappell, A. B.,	267.50	
Hayes, N. P.,	.50	
Library Bureau,	11.68	
Mercury Publishing Co.,	1.87	
Mills, M. T.,	467.00	
Parker, George W.,	90.00	
Paul, Frank,	207.25	
Perry & Son, S. F.,	3.75	
Rogers, John D.,	7.00	
Russell, H. C.,	356.50	
Sowle & Co., F. L.,	1.37	
Sullivan, J. H.,	210.50	
Taber, R. W.,	1.25	
Topham, R. R.,	956.50	
Tuell, C. A.,	515.00	$3,286.17
DAMAGES, LEGAL EXPENSES, ETC.:		
Avery, Edward,	$500.00	
Baker, Lorenzo,	250.00	
Barney, E. L.,	255.22	
Borden, Simeon,	31.00	
Cobb, Wendell H.,	104.50	
Davis, Rebecca,	146.30	
Desmond, T. F.,	156.00	
Douglass, E. A.,	325.00	
Dricous, Margaret N.,	300.00	
France, Samuel C., and J. H. Brierly,	150.00	
Gillespie, Robert,	25.00	
Hayes, Dr. S. W.,	125.00	
Hough, Drs. G. F. and G. de N.,	50.00	
Howland, Estate of Sylvia A.,	119.00	
Knowlton, H. M.,	450.00	
Mendall, H. M.,	43.39	
Oesting, F. W.,	694.00	
Thorley, Francis,	20.08	

Weaver, Sophia A.,	$1,081.35	
Webber, Dr. A. P.,	50.00	
White, Annie M.,	35.50	
Woods, John H.,	150.00	$5,061.34

ELECTIONS:

Ashley, Isaac L.,	$6.00	
Bradley, William E.,	6.00	
Briggs & Lawrence,	4.09	
Cornell, C. R.,	6.00	
Cornell & Swift,	6.00	
Faunce, Loum H.,	25.00	
Faunce & Johnson,	24.25	
Gomley, John A.,	66.00	
Hayden, Eugene,	9.00	
Jason, Alonzo V.,	10.00	
Jones, Isaac M.,	6.00	
King, Philip H.,	12.00	
McFarlin, James,	1.00	
Perry & Son, S. F.,	13.50	
Piper, A. D.,	27.00	
Piper, D. M.,	2.00	
Piper, J. Arthur,	25.00	
Precinct officers,	1,077.00	
Reynolds, E. G.,	12.00	
Richards, W. D.,	6.00	
Saxon, George E.,	50.00	
Sherman, William H.,	6.00	
Sullivan, Timothy,	4.00	
Taber, Charles G.,	10.00	$1,413.84

LABOR AND CLEANING:

McAuliff, D. J.,	$679.72	
Pell, W. D.,	21.00	
Piper, A. D.,	122.50	
Piper, D. M.,	564.86	$1,388.08

LIGHT AND FUEL:

Crapo, W. H.,	$7.00	
Hart & Akin,	593.95	
N. B. Gas & Edison Light Co.,	2,346.19	
Notter, John,	1.70	
Phillips & Lawson,	59.00	
Stovey, H. D.,	5.25	$3,013.09

BIRTH, MARRIAGE, AND DEATH RETURNS:

Brownell, Dr. Wm. E.,	$6.00	
Dehn, Dr. E. W.,	4.75	
Ellis, Louisa A.,	1.50	
Fortin, Dr. J. E.,	18.25	
Guba, Mrs. Emile,	4.25	
Hunt, Dr. C. R.,	7.25	
Jameson, Esther M.,	4.00	
Jean, J. B.,	40.50	
Lagasse, A. P.,	17.00	
Leonard, Daniel B.,	842.95	
Leonard, Dr. M. H.,	43.00	
Lussier, Dr. C. F.,	20.00	
Murphy, T. J.,	24.50	
Normandin, Dr. L. Z.,	2.50	
Peterson, Dr. C. A. B.,	3.00	
Pothier, Dr. J. C.,	6.25	
Sheehy, Dr. W. C.,	8.25	
St. Germain, Dr. J. P.,	7.75	
Sullivan, J. D.,	37.00	
Thompson, Elizabeth,	1.25	
Vaughan, Jr., W. C.,	55.25	
Webber, Dr. A. P.,	7.00	
Webster, Dr. Helen W.,	19.00	
Williams, J. S.,	28.25	
Wilson, E. T.,	96.00	$1,305.45

FOURTH OF JULY:

Ames, H. M.,	$5.00	
Andrews, Braddock,	5.00	
Anthony & Sons, Inc., E.,	145.96	
Ashley, Isaac L.,	16.00	
Ashley & Peirce,	221.03	
Bancroft, J. V.,	25.00	
Barnes, Isaac,	3.00	
Baylies, William,	15.00	
Bowman, W. H.,	5.00	
Bradley, William E.,	8.00	
Brayton, G. H.,	5.00	
Carr, F. B.,	27.35	
Carroll, W. E.,	3.00	
Caswell, A. R.,	10.00	
Catholic Union Pub. Co.,	20.00	
Central Union Association,	.12	
Considine, M. F.,	5.00	

Cornell, C. R.,	$8.00
Covil, A. E.,	6.50
Crapo, Peter,	15.00
Cushing, C. F.,	9.25
Duff & Son, David,	25.00
Edwards, C. E.,	3.00
Fireworks Committee,	7.50
French Band,	220.00
Greenwood, Joseph,	5.00
Gomley, John A.,	27.00
Guthrie, W. W.,	3.00
Hart & Co., T. M.,	5.00
Haskell & Tripp,	15.00
Hathaway, H. C.,	7.65
Hayes, N. P.,	20.00
Hutchinson & Co., H. S.,	5.00
Journal Publishing Co.,	73.60
Kent, J. D. T.,	3.00
Kirby, C. L.,	9.00
Kirby & Hicks,	8.00
Lowe, W. A.,	53.72
Mercury Publishing Co.,	99.62
Meyrelles' National Band,	200.00
Mills, T. H.,	5.00
Moynan & Co.,	25.00
Musical Exchange Band,	240.00
New Bedford Band,	240.00
N. B. Brass Foundry,	10.00
Pairpoint Mfg. Co.,	19.50
Pease, F. & R. W.,	5.00
Peirce Furniture Co.,	15.00
Peirce, E. M.,	8.00
Perry & Son, S. F.,	10.00
Piper, A. D.,	10.00
Police Department,	45.00
Pollock, F. O.,	3.00
Progress Engine Co.,	59.31
Rankin, Wm. H.,	93.50
Reynold, E. G.,	13.00
Richards, W. D.,	13.00
Robenolt, E. S.,	3.00
Robinson, William,	3.00
Rogers, Abiatha,	20.00
Schuler Bros.,	6.00
Sears, Nathan,	3.00

Sherman, William H.,	$23.00	
Sherman & Winship,	7.10	
Simpson's Cornet Band,	100.00	
Slater, James,	5.00	
Smith, Hoyland,	20.25	
Smith, P. R.,	10.00	
Sowle, N. P.,	100.00	
Spencer, George,	10.00	
Stovey, H. D.,	5.00	
Swift, T. S.,	8.00	
Taylor, Theo.,	3.00	
Tilton, H. H.,	450.00	
Ullman Mfg. Co.,	94.50	
Union Veteran Legion,	149.00	
Wady, A. B.,	2.50	
Warfield, J. H.,	3.00	
Watson, John,	3.00	
Wood, M. A.,	17.50	
Woodworth, W. E.,	135.37	
Wright, J. S.,	21.14	
Wing, C. F.,	7.05	$3,372.02

INSPECTOR OF MILK AND PROVISIONS, ETC:

Anthony & Sons, E., Inc.,	$6.00	
Ashley, Dr. D. C.,	413.50	419.50

MISCELLANEOUS:

Allen, J. & J. K., award on account July 4, 1891,	$50.00	
Almy & Hitch, taking down awnings,	1.75	
Anthony & Sons, subscriptions Evening Standard,	30.00	
Ashley, C. S., expenses of committees,	81.00	
Ashley, Isaac L., carriage and hack hire,	299.85	
Aspin & Baldwin, painting and papering property of Alfred Owen,	16.00	
Automatic Bank Punch Co., bank punch,	27.00	
Ballard & Kirschbaum, subscriptions Telephone Index,	5.00	
Bancroft, J. V., sprinkling,	60.00	
Baylies, Clifford, cleaning and repairing clocks,	2.00	
Blackmer, H. A., expenses Board of Registrars, Boston,	2.25	
Bliss, George C., care of cemetery lots,	15.36	
Bliss & Nye, mat,	1.50	
Boston Daily Advertiser, subscription,	6.00	
Bradley, Wm. E., hack hire,	3.00	

Briggs & Lawrence, use of furniture, carpets, mats, desk,	$281.45
Bristol County, board of truants,	962.46
Brownell, H. M., dinners and lunches,	86.00
Brownell, S. A., interest on loan on account park,	16.50
Butler, Warren T., repairing ballot boxes,	8.10
Chamberlain, C. C., filing cases,	49.00
City Treasury, office sundries, recording deeds, mileage tickets,	641.40
Covil, A. E., carriage and hack hire,	51.25
Coggeshall, Maxfield & Co., two tin trunks and labor on water pipes, Guards Armory,	11.40
Cook, Samuel H., steam boiler insurance,	50.00
Cummings, C. S. & B., candles and soapine,	5.25
Dews, Edwin, subscriptions and office sundries,	22.55
DeWolf & Vincent, 2 doz. padlocks,	1.75
Douglass, F. M., hair brush, combs, soap and sponges,	4.45
Drake, A. B., City Forester,	100.00
Ellis, Leonard B., glass and fitting plan, City Hall,	1.75
Fanning Printing Co., 200 mailing cases,	9.00
Footman, J. W., labor and repairs on ordnance,	15.45
Fox, Geo. S., agent, 1 typewriter, repairs, and supplies,	110.00
G. A. R. Posts, appropriation for Memorial Day,	500.00
Gray, C. A., freight and carting,	1.30
Greenough & Co., W. A., 10 copies directory,	20.00
Grinnell, Edmund, weighing coal,	.62
Hammond Typewriter Co., supplies,	.71
Hart & Akin, decorating ceiling Mayor's office and lettering boxes,	35.60
Hatch, George E., stove and pipe,	32.65
Hathaway, Nath., milk analysis,	15.00
Hathaway, W. W., use of horse,	66.00
Hawes, Estate of Levi, rent of land Guards' range,	56.67
Hayes, N. P., locks and sundry hardware,	8.32
Howland, Jr., Jona., care of cemetery lot,	13.89
Howland, Thomas D., services as deputy constable,	917.50
Hutchinson & Co., H. S., Acts and Resolves,	9.00
Hunt, S. C., labor and material, City Clerk's office,	114.37

Jenney, B. F., stamp moistener and repairs on pencil sharpener,	$1.51
Jenkins, B. S., painting and lettering box,	1.75
Kane, M. F., suppers, visit of R. I. Veteran Association,	40.00
Kempton, David, 2d, estate, land rent,	74.50
Kirby & Hicks, carriage and hack hire,	58.50
Knowles & Co., heating Guards Armory,	60.00
Leonard, Daniel B., office expenses,	136.10
Lowe, Wm., care of cemetery lot,	16.25
Mann, John E., steamer, port physician,	3.00
Mandell, S. G., labor and electrical supplies,	3.45
Maxfield, George F., tin trunk,	4 00
Mercury Publishing Co., subscriptions,	24.00
Mills, M. T., services,	247.00
Musical Exchange Band, visit R. I. Veteran Association,	75.00
Murkland, J. H., inspecting sewer,	25.00
N. B. Tow Boat Co., port physician,	53.00
N. B. Ice Co., ice,	116.40
North Congregational church, use of bell,	60.00
Old Colony railroad, gateman Sawyer street,	367.00
" " mileage tickets,	80.00
" " sewerage privilege, Hazard's wharf,	200.00
Parker, George W., services Auditor's office,	317.00
Paul, Frank, delivering tax bills,	62.50
Peirce, E. M., carriage and hack hire,	28.50
Peirce, Wm., plants,	1.50
Perry & Son, S. F., carriage and hack hire,	6.50
Phillips, H. T., superintending delivery of coal,	10.00
Piper, A. D., expenses, Justice of the Peace,	7.00
Pitman, H. L., rent of boat,	39.00
Propeller Charlie, port physician,	25.00
Proprietors Ricketson's Block, rent Guards Armory,	525.00
Purrington & Brown, soap dish,	.33
Richards, George D., soap, mops, matches, dusters, toilet paper, and brushes,	53.56
Russell, H. C., delivering summons,	20.00
St. Luke's hospital, bed,	500.00
Searles, Mortimer, rubber stamps,	30.45
Shannon & Mason, 1 typewriter and desk,	128.00
Shannon & Co., J. J., 1 typewriter,	105.00
Sherman & Son, C. R., 1 thermometer,	2.00

Sherman, Ruth S., copying deeds and indexes,	$467.50	
Sherman, Ruth S., service, City Clerk's office,	686.63	
Sherman, Wm. H., carriage and hack hire,	17.85	
Smith, Henry, expenses truant officer,	22.77	
So. Mass. Telephone Co., telephone, $587.23; messages, $79.57,	666.80	
Sowle, N. P., 1 bookcase,	4.75	
Spencer & Son, S. M., repairing stamp,	1.50	
Street Department, trimming trees and surveys,	561.09	
Swift, T. S., carriage hire,	3.50	
Taber, R. W., seals and office sundries,	5.25	
Tuell, C. D., delivering summons,	55.00	
Topham, R. R., services Auditor's office,	27.24	
Wady, A. B., varnishing steps,	1.33	
West, H. F., rent of boat,	7.00	
Western Union Telegraph Co., sounder clock,	35.00	
" " messages,	1.88	
Whipple & Co., J. R., dinners for committees,	26.60	
Whiting, E. B., towels,	1.50	
Wilcox & Richmond Wharf Co., wharf rent,	200.00	
Wood, Brightman & Co., hosebands,	1.20	
Woodworth, C. E., repairs city clock,	16.00	
Yale & Towne Mfg. Co., adjusting lock,	15.00	$11,153.29
		$30,419.78

Cr.

By appropriation,	$6,025.00	
Appropriations, special,	14,871.65	
Transfer from unappropriated funds,	7,694.00	
Cash receipts, as per Treasurer's report,	31.50	
Transfer to balance,	1,797.63	$30,419.78

KEMPTON STREET SCHOOL HOUSE AND LOT.

Dr.

Z. B. Davis,	$9,657.00	
Merrill & Cutler,	800.00	
1893, Jan. 2. To balance,	38,575.00	$49,032.00

Cr.

By appropriation, special,	$46,960.00	
" "	2,072.00	$49,032.00

Cr.

1893, Jan. 2. By balance,	$38,575.00

LIGHTING THE STREETS.

Dr.

Burns, James,	$57.50	
Globe Gas Light Co.,	11,200.19	
Gomley, John A.,	8.00	
Kempton, Estate of F. A.,	31.25	
N. B. Gas & Edison Light Co.,	23,828.99	
Old Colony Railroad Co.,	6.75	
Perry & Son, S. F.,	5.00	
Richards, W. D.,	5.00	$35,142.68

Cr.

By appropriation,	$27,000.00	
" special,	4,200.00	
Transfer from unappropriated funds,	650.00	
Transfer to balance,	3,292.68	$35,142.68

NEW BEDFORD & FAIRHAVEN BRIDGE.

Dr.

Pay-rolls,	$1,933.11	
Bowen & Son, George S.,	2.20	
Chace & Co., Abram,	271.74	
Driggs, James D.,	7.66	
Hillman, Washburn & Co.,	1.50	
Nye, William F.,	2.25	
Paine & Bro., S. S.,	328.56	
Police Department,	92.40	
Sewers, General Account,	1.93	
Street Department,	2,846.11	
Tillinghast, W. A.,	2.95	
To transfer to balance,	4,166.48	$9,656.89

Cr.

Jan. 4, 1892. By balance,	$2,634.67	
By appropriation,	7,000.00	
Cash receipts, as per Treasurer's report,	22.22	$9,656.89

NEW BEDFORD SCHOOL COMMITTEE.

(HOWLAND FUND.)

DR.

Allen's Express,	$.25
American Book Co.,	62.34
Anthony & Sons, E., Inc.,	4.50
Appleton & Co., D.,	9.10
Blake, James E.,	.50
Bliss & Nye,	6.23
Boston School Supply Co.,	111.00
Caproni & Bro., P. P.,	1.75
De Wolf & Vincent,	.24
Educator,	21.25
Educational Publishing Co.,	35.70
Esiner & Amend,	133.32
Ellis, L. B.,	2.60
Gammons, Lottie M.,	22.20
Gibbs, Elizabeth,	21.35
Ginn & Co.,	81.58
Goldthwaite, W. M.,	3.40
Gray, C. A.,	9.60
Hammett, J. L.,	63.00
Haskell & Tripp,	5.85
Haskins, C. N.,	11.80
Hatch & Co.,	32.05
Hatch, W. E.,	5.00
Hathaway, Lottie,	11.10
Hathaway, Nathaniel,	1.10
Hayes, N. P.,	112.75
Heath & Co., D. C.,	47.35
Holden Book Cover Co.,	250.95
Houghton, Mifflin & Co.,	24.63
Hutchinson & Co., H. S.,	114.66
Inman, H. S.,	24.00
Jennings, W. A.,	24.88
Kane & Bro., D. J.,	53.54
Kirkwood, L. J.,	.34
Knowlton & Co., D. H.,	2.80
Leach, Shewell & Sanborn,	9.83
Lee & Shepard,	93.96
Lombard, A. M.,	60.00

Lothrop & Co., D.,	$10.82	
Mason & Co., Perry,	75.30	
McAllister, T. H.,	40.95	
Merrick, Emma J.,	19.15	
Miller, S. E.,	49.50	
Peirce, George,	436.00	
Perry & Co., G. S.,	257.15	
Potter, Hattie,	23.30	
Richards, George D.,	9.45	
Richter & Sons, E. S.,	19.50	
Schoenhof, Carl,	41.30	
Sherman & Son, C. R.,	8.52	
Sherman, J. H.,	6.00	
Silver, Burdett & Co.,	325.36	
Small, Willard,	9.00	
Taber, R. W.,	97.51	
Taber & Co., Charles,	27.38	
Watrous, Joseph,	15.00	
Whiting & Co., E. B.,	2.70	
Wing, C. F.,	13.50	
Wood, Brightman & Co.,	.59	
Wright Drug Co.,	3.90	
1893, Jan. 2. To balance,	1,811.98	$4,780.36

Cr.

1892, Jan. 4. By balance,	$1,780.36	
Cash receipts, as per Treasurer's report,	3,000.00	$4,780.36

Cr.

1893, Jan. 2. By balance,	$1,811.98

NEW BEDFORD SCHOOL COMMITTEE.

(JONATHAN BOURNE PRIZE FUND.)

Dr.

Dunbar, George H., for prizes,	$60.00	
Jan. 2, 1893. To balance,	30.00	$90.00

Cr.

Jan. 4, 1892. By balance,	$30.00	
Cash receipts, as per Treasurer's report,	60.00	$90.00

Cr.

Jan. 2, 1893. By balance,	$30.00

NEW BEDFORD WATER WORKS.

Dr.

To expenditures, as per drafts of the N. B. Water Board,	$96,910.19	
1893, Jan. 2. To balance,	41,063.33	$137,973.52

Cr.

1892, Jan. 4. By balance,	$44,962.90	
Appropriation,	12,000.00	
Cash receipts, as per Treasurer's report,	81,010.62	$137,973.52

Cr.

1893, Jan. 2. By balance,	$41,063.33

PARKS FUND.

Dr.

Dexter, Franklin J.,	$5,000.00	
Green, Clark,	600.00	
Green, John,	30,000.00	
Herman, J. E.,	25,000.00	
Whittemore, Estate of Zenas,	3,500.00	
Transfer to Unappropriated Funds,	8,100.00	
Transfer to Parks and Squares,	10,0000.00	
Jan. 2, 1893. To balance,	27,135.55	$109,335.55

Cr.

By appropriation,	$100,000.00	
Cash receipts, as per Treasurer's report,	9,335.55	$109,335.55

Cr.

Jan. 2, 1893. By balance,	$27,135.55

PARKS AND SQUARES.

Dr.

Pay-rolls,	$2,465.62	
Baylies, Wm.,	7.50	
Combination Ladder Co.,	1,000.00	
Crapo, Peter,	17.50	
Denison Bros. Co.,	10.57	
Engineering Department,	24.50	
Gomley, John A.,	105.00	
Gray, C. A.,	54.65	
Greene & Wood,	2.00	
Haskell, E. S.,	123.25	
Hayes, N. P.,	22.18	
Jenney & Son, P. P.,	62.34	
Kirby & Hicks,	6.00	
N. B. Water Works,	7.56	
Old Colony Railroad Co.,	36.00	
Paine & Bro., S. S.,	13.05	
Perry & Son, S. F.,	4.00	
Richardson, John,	8.25	
Sewers, General,	706.06	
Sherman, Clifford P.,	100.00	
Sherman, W. H.,	7.00	
So. Mass. Tel. Co.,	4.25	
Street Department,	885.93	
Tillinghast, W. A.,	8.54	
Wady, A. B.,	4.27	
West, W. R.,	37.90	
Wilbur, S. S.,	4.00	
Wood, Brightman & Co.,	8.95	
To balance,	7,318.68	$13,055.55

Cr.

By appropriation,	$3,000.00	
Transfer from Parks Fund,	10,000.00	
Cash receipts, as per Treasurer's report,	55.55	$13,055.55

Cr.

Jan. 2, 1893. By balance,	$7,318.68

POLICE DEPARTMENT.

Dr.

Salaries:		
Daniel A. Butler, chief,	$90.20	
E. C. Gardiner, chief,	1,340.70	
Luther M. Dayton, captain,	1,100.00	
James L. Wilber, captain,	1,100.00	
Lemuel D. Adams, lieutenant,	1,000.00	
Timothy C. Allen, lieutenant,	1,000.00	
Seth C. Bryant, lieutenant,	1,000.00	
Thomas W. Comstock, lieutenant,	1,000.00	
Frederick Hussey, lieutenant,	1,000.00	
Ellery Peirce, lieutenant,	1,000.00	
Thomas J. Taft, lieutenant,	1,000.00	
Franklin L. Hathaway, inspector,	879.88	
John C. Parker, inspector,	879.88	
Henry N. West, clerk,	780.00	$13,170.66
Pay-Rolls:		
Pay of regular officers, housekeepers, &c.,	$48,600.67	
Pay of special police,	5,174.40	53,775.07
Carriage and Horse Hire:		
Ames, H. M.,	$9.00	
Ashley, I. L.,	68.15	
Brownell, J. F.,	5.00	
Dwelley, Andrew,	2.50	
Jay, James A.,	151.70	
Murphy, C. H.,	1.00	
Richards, W. D.,	94.10	
Sherman, W. H.,	26.05	
Warren, David,	2.00	359.50
Supplies:		
Blake, James E.,	$3.75	
Bliss & Nye,	20.60	
Briggs & Lawrence,	1.00	
Coggeshall, Maxfield & Co.,	3.50	
Dews, Edwin,	41.45	
Driscol, Church & Hall,	29.18	
Evans & Co., D.,	7.50	
Folger, D. B.,	16.99	
Hart & Akin,	456.92	

Hathaway, H. C.,	$5.77	
Lawton, C. H. & H. A.,	3.05	
Peirce, J. H.,	31.50	
Richmond & Co., S. P.,	12.72	
Stovey, H. D.,	2.00	
Taber, R. W.,	22.75	
Whiting & Co., E. B.,	9.00	
Wing, C. F.,	11.05	$678.73
POLICE SIGNAL:		
Alexander, Barney & Chapin,	$20.20	
American Spiced Food Co.,	16.00	
Ashley, Dr. D. C.,	7.75	
Baylies, Wm.,	14.70	
Beattie Zinc Works,	80.00	
Bird & Co., J. A. & W.,	69.17	
Briggs, D. D.,	7.08	
Brownell, J. F.,	49.50	
Brownell, Ashley & Co.,	32.97	
Cronin, Wm.,	18.85	
Fichtenmeyer & Flynn,	5.30	
Fire Department,	783.99	
Flynn, John A.,	16.50	
Gifford & Co., T. J.,	.25	
Gray, C. A.,	7.27	
Hart & Co., T. M.,	2.60	
Kirk, John,	102.82	
Lowell, Clarence,	53.76	
Macy, E. B.,	3.00	
Mandell, S. G.,	6.80	
N. E. Gamewell Co.,	355.05	
Notter, John,	13.03	
Okonite Co.,	20.25	
Old Colony Railroad Co.,	4.55	
Poor Department,	149.15	
Pulsifer, Jordan & Co.,	87.93	
Southern Massachusetts Telephone Co.,	1,590.00	
Washburn & Moen Mfg. Co.,	185.32	3,703.79
MISCELLANEOUS:		
Allen, E. W., expenses committing,	$7.47	
Anthony & Sons, Inc., E., printing and advertising,	18.37	
Arnett, James W., expenses committing,	14.34	
Ballard & Kirschbaum, telephone index,	1.00	
Brownell, Olive A., services,	22.12	

Butler, D. A., keeper of lockup,	$5.55
Cannavan, Patrick, expenses committing,	28.91
Comstock, Thomas W., expenses committing,	1.50
Cook, Robert, use of horse,	14.00
Cook, Samuel H., insuring boilers,	100.00
Dews, Edwin, stationery,	31.00
De Wolf & Vincent, paints and oil,	2.40
Doane, R. N. B., photographs,	14.00
Donaghy, A. H. & J. J., laundry work,	44.62
Fay, Thomas, expenses committing,	15.05
Gardiner, E. C., keeper lockup,	94.11
Gardner, Emma K., meals,	143.96
Gifford & Co., T. J., labor,	14.96
Grinnell, Edmund, weighing coal,	2.52
Hathaway, F. L., expenses committing, etc.,	87.55
Jennings, Julia A., washing,	52.25
Journal Publishing Co., advertising,	6.26
Kelley, Wm. L., badges and repairing,	33.60
Kempton, Estate of F. A., land rent,	25.00
Kirby, C. L., flag,	7.50
Knowles & Co., blankets,	5.00
Lerned & Co., C. W., disinfectant,	56.50
Maine, H. M., beating carpets,	2.47
McBay, C. L., expenses committing,	9.90
Mercury Publishing Co., advertising,	14.24
Moynan, Robert, expenses committing,	6.24
N. B. Boiler & Machine Co., labor on boilers,	21.47
N. B. Gas & Edison Lighting Co., lighting,	612.72
N. B. Ice Co., ice,	27.25
Parker, John C., expenses committing, etc.,	44.26
Peckham, Emily, washing,	16.00
Peirce Furnishing Co., desk,	35.00
Pierce, Dr. A. M., services,	2.00
Pierce, E. H., hose, couplings and nozzles,	19.85
Pope, A. P., labor and hardware,	50.12
Ripley, C. W., meals,	21.98
Savage, John, expenses committing,	9.58
So. Mass. Tel. Co., messages and service,	299.01
Street Department, telephone message,	2.50
Sullivan, Timothy, expenses committing,	6.19
Taft, Thomas J., expenses committing,	1.70
Tripp, S. A., pipe and labor,	15.10
Viall & Cook, rent woman's lockup,	200.04
Watson & Fuller, repairing clubs,	5.40
Wilber, S. B., whitewashing,	55.45

Wing, C. F., shades and carpets,	$32.32	
Wing, J. B., expenses committing,	16.41	
Wixon, J. A., expenses committing,	16.68	
Wood, Anna G., land rent,	20.00	
Woods, R. B., chair seats,	13.40	
Young, Emma, meals,	44.25	$2,471.07
		$74,158.82

Cr.

By appropriation,	$45,000.00	
Cash receipts, as per Treasurer's report,	3,180.67	
Special appropriations,	18,500.00	
Transfer from unappropriated funds,	4,200.00	
Transfer to balance,	3,278.15	$74,158.82

POLICE STATION AND WARD ROOM, BLACKMER AND SOUTH WATER STREETS.

Dr.

Bryant & Slade,	$6,200.00	
City Treasurer,	30.00	
Gifford & Co., T. J.,	600.00	
Hunt, S. C.,	381.72	
N. B. Water Works,	17.58	
Penney, E. F.,	42.53	
1893, Jan. 2. To balance,	2,892.97	$10,164.80

Cr.

By special appropriations,	$10,164.80

Cr.

1893, Jan. 2. By balance,	$2,892.97

POOR DEPARTMENT.

Dr.

SALARIES:		
Orrick Smalley, secretary,	$1,250.00	
Thomas H. Knowles,	150.00	
James E. Stanton,	150.00	
Ella F. Bucklyn, clerk,	600.00	
Dr. John T. Bullard,	1,620.00	
P. S. Macy, supt. Almshouse,	850.00	
Mrs. P. S. Macy, matron,	100.00	
Rev. James Mitchell, chaplain,	156.00	
Samuel Dammon, supt. woodyard,	366.00	$5,242.00
GROCERIES:		
Acushnet Co-operative Association,	$368.00	
Alley, A. G., Jr.,	34.00	
Andre, J.,	21.50	
Armitage, William,	15.00	
Barlow & Co.,	34.50	
Bates & Co., J. W.,	297.50	
Bates, Lot B.,	47.50	
Baylies, Clifford,	5.00	
Bedard, Edward,	5.00	
Blawnsteiner, Frank,	6.00	
Bliss & Son, F. C.,	260.00	
Bolles, Abram N.,	12.00	
Bradford, William L.,	19.00	
Braley, T. J.,	34.00	
Braley, J. W., Jr.,	194.00	
Brayton, George H.,	69.00	
Bromley, David,	104.00	
Brownell & Sons, C. H.,	364.00	
Burgess & Son, Thomas,	100.00	
Burke, Wm.,	9.00	
Central Union Association,	715.75	
Chappell, Wm. H.,	71.50	
Chausse, Joseph,	84.50	
Clark, Robert,	240.00	
Coxen & Tripp,	15.00	
Crowell, R. A.,	7.50	
Crowell & Crabe,	30.00	
Cummings, C. S. & B.,	68.00	

Davenport, Dudley,	$329.00
Davenport, G. E.,	160.00
Davis, C. S.,	80.00
Demers, Philip,	3.00
Denison Bros. Co.,	7.50
Desautels, S.,	39.00
Dillingham, A. L.,	7.00
Dugan, M.,	213.00
Dwight, James E.,	3.00
Eldridge, Wm.,	2.00
Fay, James,	14.00
Fernandez, Joseph H.,	24.00
Folger, David B.,	499.50
Francis, John B.,	355.00
Fraiser, E. M.,	197.00
Gatie, Henry,	94.50
Gifford, E. B.,	8.00
Gillispie, Lawrence F.,	21.00
Gray Bros.,	223.00
Greenhalgh, Harry,	16.00
Gregoire, Pierre,	3.00
Hammond, H. S.,	246.00
Hindle, Wm.,	231.00
Holcomb, Munroe,	109.00
Howland, C. H.,	8.00
Hunter, George,	249.50
Industrial Co-operative Association,	49.00
Jordan, Patrick,	22.00
Kelley, J. R.,	3.00
Kelley & Mosher,	5.50
Lafranc, L. M.,	78.00
Law, Jesse,	6.00
Leavitt, Clark,	65.00
Levare & Lincoln,	9.00
Lewis, O. B.,	17.50
Lowe & Co., James,	73.00
Lowe, John H.,	147.00
Luce, Thomas E.,	40.00
Luce, Wm. T.,	72.00
Luce, Wm. T., Jr.,	37.00
Macomber, George W.,	48.00
McDonnell Bros.,	29.00
McNamee, Wm.,	4.00
Mello, Manuel B.,	4.00
Milliken, L. E.,	41.00

Monte Pio Co-operative Association,	$22.50	
Morse, C. M., Jr.,	52.00	
Murphy, Theodore J.,	176.50	
Nolen, Napoleon,	21.00	
Notter, John,	64.00	
Nye, A.,	116.00	
O'Connor, William C.,	66.00	
Ogden & Armitage,	5.00	
O'Neil, Josephine,	51.50	
Ostignay Bros.,	3.50	
Palmer, William L.,	37.60	
Patnaude, J. C.,	118.50	
Peck & Cole,	5.00	
Perry's Cash Market,	47.00	
Perry, Charles F.,	40.00	
Potter, E. L.,	22.50	
Raymond, R. F., assignee,	9.00	
Raymond, W. F.,	83.00	
Riley, J. F.,	39.50	
Robinson, Daniel,	139.00	
Rock, James,	70.50	
Rose, David,	98.50	
Russell, Allen, Jr.,	66.00	
Russell, John A.,	22.75	
Sisson, J. S.,	62.00	
Slade, Caleb,	107.50	
Smith, E. B.,	73.00	
Spooner, E. F.,	39.00	
Stafford, George B.,	40.00	
Stanton, A. G.,	61.00	
Sullivan, P. F.,	38.50	
Taber & Son, O. R.,	44.00	
Taylor, J. C.,	36.00	
Tomlinson, Theo.,	6.00	
Tripp, A. A.,	8.00	
Vignault Bros.,	4.00	
Washburn, A. R.,	87.50	
Wilson, William T.,	21.50	$9,128.10
Boots, Shoes, and Clothing:		
Ashley & Peirce,	$3.94	
Bushnell, Charles N.,	3.30	
Buchell Shoe House,	7.50	
Donaghy, Thomas,	1.50	
Haskell & Tripp,	3.77	

Knowles & Co.,	$2.50	
Lucas, A. E.,	9.00	
Sanders & Barrows,	13.50	
Taber, Read & Gardner,	9.50	
Union Boot & Shoe Co.,	7.85	$62.36
FUEL:		
Acushnet Saw Mill,	$355.07	
Corson, T. S.,	273.03	
Duff & Son, David,	6.00	
Hart & Akin,	1,447.31	2,081.41
BURIALS:		
Jean, J. B.,	$201.50	
Lagasse, A. P.,	52.00	
Murphy, T. J.,	162.00	
Sullivan, J. D.,	68.00	
Vaughan, W. C., Jr.,	201.00	
Wilson, E. T.,	230.50	
Williams, Joseph S.,	154.00	1,069.00
MISCELLANEOUS:		
Anthony & Sons, Inc., E., subscription,	$6.00	
Ashley, Isaac L., carriage hire,	16.00	
Blake, James E., trusses,	7.50	
Blackmer, H. A., crutches,	2.00	
Bosworth, William, labor and hardware,	14.91	
Bowen & Son, George S., brooms,	7.60	
Bullard, Dr. John T.,	.60	
City Treasurer, cash orders,	1,314.15	
Coggeshall, Maxfield & Co., hose,	8.40	
Dean, Lafayette, use of oxen,	15.00	
Delano, Gustavus, whitening,	82.80	
DeWolf & Vincent, hardware,	20.44	
Fox & Sullivan, passage,	71.00	
Grinnell, Edmund, weighing coal,	10.09	
Hayden, Eugene, carriage hire,	25.50	
Hayes, L. W., measuring wood,	2.68	
Hutchinson & Co., H. S., book,	1.50	
Kirby & Hicks, carriage hire,	11.50	
Lawton, C. H. & H. A., medicine,	3.50	
Macy, E. B., wedges,	1.45	
Mandell, S. G., fitting key,	.60	
Mercury Pub. Co., advertising and subscription,	10.33	
N. B. Journal Pub. Co., subscription,	5.00	
N. B. Ice Co., ice,	12.44	

Oliveira Henrique, Capt., passage,	$25.00	
Old Colony Railroad Co.,	115.99	
Perry & Son, S. F., carriage hire,	4.50	
Richards, George D., saws and axes,	6.45	
Richards, W. D., carriage hire,	13.50	
Rogers, A. M., passages,	185.00	
Sheehy, Dr. W. C., ankle supporter,	1.50	
Sherman, Wm. H., carriage hire,	6.75	
Smalley, Orrick, office expenses,	2.70	
So. Mass. Telephone Co., telephones,	57.95	
Street Department, carting,	469.20	
Swan, Edward, filing saws,	16.00	
Tripp, L. A., butchering,	14.00	
Wing, C. F., repairing mat,	.60	
Wright Drug Co., truss and medicine,	9.00	$2,579.13

Paid State and Hospitals for Board of Persons out of the City, etc.:

Commonwealth of Massachusetts,	$262.79	
Harris, E. T.,	91.27	
St. Luke's Hospital,	411.90	
Taunton Lunatic Hospital,	6,831.99	
Westboro Insane Hospital,	382.11	
Worcester Lunatic Hospital,	169.92	8,149.98

Paid Cities and Towns for Supplies and Board of Persons out of the City:

Abington,	$7.50	
Boston,	163.80	
Brockton,	10.89	
Cambridge,	7.87	
Chelsea,	2.00	
Cottage City,	41.05	
Fall River,	24.85	
Nantucket,	240.00	
North Attleboro,	59.75	
Somerville,	61.73	
Taunton,	171.75	
Worcester,	11.87	803.06

ALMSHOUSE.

Clothing, Hats, Caps, Etc.:

Ashley & Peirce,	$65.97
Davis & Co., J.,	94.00
Devoll & Son, P.,	25.85
Donaghy, Thomas,	20.86

Faisneau, George S.,	$120.08	
Knowles & Co.,	55.25	
Lucas, A. E.,	3.00	
Moore & Diman,	6.54	
Nichols & Damon,	5.00	
Sanders & Barrows,	6.25	
Spare, J. V.,	61.72	
Taber, Read & Gardner,	19.50	
Tillson, H. H.,	6.00	
Wing & Co., J. & W. R.,	60.50	$550.52
FURNISHING AND SUPPLIES:		
Bliss & Nye,	$22.71	
Briggs & Lawrence,	.80	
Hart & Akin,	777.80	
Leonard & Son, Samuel,	24.20	
Macy, W. J.,	24.08	
McCullough, John,	27.12	
Richards, George D.,	10.80	
Taylor & Son, H. J.,	2.54	
Tripp, S. A.,	25.35	
Wing, C. F.,	10.45	925.85
PROVISIONS AND GRAIN:		
Baylies, Wm.,	$686.09	
Brownell, E. C.,	845.96	
Chadwick, E. E.,	21.36	
Childs & Peckham,	46.16	
Cummings, C. S. & B.,	108.75	
Davis & Hatch,	146.60	
Denison Bros. Co.,	708.27	
Driscol, Church & Hall,	1,020.49	
Hawes, Simeon,	7.23	
Macy, J. Roland,	146.03	
Macy, P. S., Jr.,	13.75	
Potter, E. L.,	.60	
Potter & Co., W. F.,	265.52	
Richmond & Co., S. P.,	52.79	
Sherman & Son, I. C.,	11.00	
Wing, Samuel,	17.60	4,098.20
MISCELLANEOUS:		
Almshouse help,	$2,852.02	
Almy & Hitch, covering frame,	3.00	
Anthony & Sons, E., subscription,	6.00	
Besse, E. L., fitting mowing machine,	.40	

Blake, James E., trusses and seeds,	$22.40	
Borden, C. M., wood,	55.13	
Brownell, Ashley & Co., repairing,	325.72	
Church, C. H., medicines,	53.67	
City Sealer, sealing scales,	1.40	
Coe, Rev. I. H., attending funerals,	6.00	
Cushing, C. F., repairing harnesses, &c.,	16.84	
Cronin, William, repairing harnesses, &c.,	11.55	
Douglass, F. M.,	43.48	
Fire Department, dressing,	378.80	
Gidley, Joseph R., threshing grain,	21.81	
Globe Gas Light Co., naphtha,	5.00	
Greene & Wood, joist and laths,	10.26	
Grinnell, Edmund, weighing coal,	2.41	
Handy, Jona., hardware,	5.29	
Hart & Co., cordage,	5.15	
Hayes, N. P., hardware,	8.00	
Jenney & Son, P. P., saws,	9.86	
Kelley, W. L., spectacles,	1.50	
Kirby & Hicks, hitching,	30.00	
Lawton, C. H. & H. A., medicine,	89.50	
Mara, Dr. J. C., extracting teeth,	1.00	
Mercury Pub. Co., subscription,	6.00	
N. B. Ice Co., ice,	7.80	
Parker, Fred, powder,	5.00	
Peterson, Dr. C. A. B., battery,	12.00	
Pope & Wood, liquors,	32.25	
Police Department, dressing,	39.36	
Sherman, W. D., blacksmithing,	28.48	
Southern Mass. Telephone Co.,	43.00	
Sullings, Kingman & Co.,	19.61	
Swan, Edward, pump brake,	.50	
Wilson, D. W., repairing boiler and pipe,	237.46	
Wilson & Wordell, seeds and hardware,	60.23	
Wood, Brightman & Co., lead pipe, etc.,	15.62	
Wright Drug Co., medicine,	31.15	$4,504.65
		$39,194.26

Cr.

By appropriation,	$25,000.00	
Special appropriation,	6,000.00	
Cash receipts, as per Treasurer's report,	8,176.04	
Transfer to balance,	18.22	$39,194.26

PRINTING, BINDING, AND STATIONERY.

Dr.

Anthony & Sons, Inc., E.,	$4,459.72	
Boston Daily Advertiser,	178.63	
Catholic Union Pub. Co.,	219.25	
Davoll, Ezra,	5.00	
Dews, Edwin,	1,306.29	
Evening Journal Co.,	844.76	
Guild & Co., Curtis,	36.00	
Hobbs & Co., Samuel,	324.25	
Kane & Bro., D. J.,	520.50	
Mercury Pub. Co.,	1,287.95	
N. B. Journal Co.,	193.42	
Sherman & Habicht,	13.50	
Taber, Robert W.,	220.38	$9,609.65

Cr.

By appropriation,	$6,000.00	
Special appropriations,	2,100.00	
Transfer from unappropriated funds,	650.00	
Transfer to balance,	859.65	$9,609.65

PERMANENT DEBT.

Dr.

1892, Jan. 4. To balance,	$3,889.59	
Principal (bonds) paid,	36,000.00	
Interest on bonds,	71,938.34	
Interest on trust funds,	6,706.00	
Interest on notes,	16,417.04	$134,950.97

Cr.

By appropriation,	$123,140.00	
Cash receipts, as per Treasurer's report,	10,000.00	
1893, Jan. 2. By balance,	1,810.97	$134,950.97

Dr.

1893, Jan. 2. To balance,	$1,810.97

PUBLIC SCHOOLS—INCIDENTALS.

Dr.

SALARIES:		
William E. Hatch, superintendent and secretary,	$3,000.00	
Emma M. Almy, clerk,	700.00	
Henry Smith, truant officer,	800.00	$4,500.00
PAY-ROLLS:		
Janitors,		11,481.46
BOOKS AND STATIONERY:		
American Book Co.,	$336.85	
Appleton & Co., D.,	10.00	
Boston School Supply Co.,	249.75	
Dews, Edwin,	2.62	
Ginn & Company,	51.94	
Heath & Co.,	63.54	
Hutchinson & Co., H. S.,	58.37	
Kane & Bro., D. J.,	93.66	
Leach, Shewell & Sanborn,	.62	
Lee & Shepard,	11.67	
Prang Educational Co.,	304.51	
Richter & Co., G. H.,	26.95	
Schoenhof, Carl,	20.58	
Thompson, Brown & Co.,	80.76	
Ware & Co., Wm.,	417.70	1,729.52
REPAIRS OF SCHOOL HOUSES:		
Briggs, George E.,	$96.57	
Brownell & Co.,	14.00	
Chace, Ezra B.,	112.69	
Haskins, E. P.,	3.40	
Hayes, N. P.,	5.25	
Holmes, D. W.,	60.55	
Jenney & Son, P. P.,	11.78	
Karcher, Herman,	43.55	
Lowe, W. A.,	55.40	
Mandell, S. G.,	33.90	
Maxfield & Son, William,	1.85	
Pope, A. P.,	125.47	
Sherman & Son, C. R.,	27.03	
Swift, P. R.,	20.13	

Tallman, E. S.,	$3.66	
Thompson, Charles,	15.20	
Washburn, T. P.,	13.65	
West, William R.,	82.04	$726.12
REPAIRS OF HEATING APPARATUS:		
Babbitt, Wood & Co.,	$6.67	
Cobb, George A.,	19.91	
Coggeshall, Maxfield & Co.,	173.80	
Driggs, James D.,	.50	
Flynn, J. A.,	1.18	
Hatch, George E.,	6.19	
Lowe, S. C.,	336.28	
Luscomb & Cory,	5.75	
N. B. Boiler & Machine Co.,	85.84	
Otheman & Dunham,	19.30	
Parker & Co., W. W.,	156.22	
Polsey, J. F.,	257.66	
Tripp, S. A.,	353.67	
Wilson, D. W.,	540.28	
Wood, Brightman & Co.,	42.31	2,005.56
FUEL:		
Beetle, Charles D.,	$1.50	
Delano, James C.,	5.25	
Hart & Akin,	5,762.49	
Holmes, A. W.,	8.50	
Notter, John,	2.50	
Phillips, Lawson,	152.65	
Spencer's Woodyard,	4.10	
Stovey, Harry D.,	5.00	
Thompson, John R.,	5.20	
Tripp, Leroy G.,	11.23	5,958.42
SUPPLIES:		
Anthony & Sons, E.,	$25.00	
Bliss & Nye,	12.47	
Briggs & Lawrence,	78.30	
Church & Hammond,	.75	
Corish, John,	7.97	
Cushing, C. F.,	7.80	
DeWolf & Vincent,	9.95	
Donaghy, Thomas,	32.75	
Douglass, F. M.,	3.10	
Eisner & Amend,	63.12	

Faisneau, George E.,	$3.00	
Frost & Co., George,	2.50	
Frost & Adams,	110.97	
Hadley, Frank R.,	3.36	
Hammett, J. L.,	15.00	
Hatch, George E.,	8.00	
Hayden, W. G.,	7.60	
Hayes, N. P.,	3.50	
Hazard, J. B.,	49.84	
Hillman, Washburn & Co.,	12.98	
Holden Bookcover Co.,	179.74	
Homer, A. S.,	4.91	
Jenney & Son, P. P.,	1.18	
Jones, Edwin,	2.41	
Kane & Bro., D. J.,	.60	
Lawton, C. H. & H. A.,	6.50	
Lowe, S. C.,	4.71	
Macy, J. Roland,	1.86	
Mercury Pub. Co.,	20.00	
N. B. Cordage Co.,	.15	
Perry, G. S.,	1,719.98	
Perry & Co., G. S.,	662.69	
Perry, H. C.,	5.83	
Pierce, E. H.,	14.00	
Pollock, F. O.,	13.02	
Potter, E. L.,	4.48	
Purrington & Brown,	5.00	
Richards, George D.,	13.89	
Searles, Mortimer,	1.50	
Slocum, F. R.,	21.75	
Sowle & Co., F. L.,	39.40	
Sullings, Kingman & Co.,	9.50	
Taber, R. W.,	17.72	
Taylor & Son, H. J.,	18.55	
Tilton, W. J.,	3.21	
Watrous, Joseph,	127.25	
Whitall, Tatum & Co.,	17.27	
Whitcomb, A. G.,	28.00	
White, A. P.,	5.80	
Wing, C. F.,	87.34	
Wood, James A.,	5.25	
Wright Drug Co.,	12.43	$3,513.88
MISCELLANEOUS:		
Acushnet Co-operative Association, soap, brushes, and pail,	$4.56	
Almy, Emma M., office expenses,	2.75	

Almy & Hitch, shades, labor, and fixtures,	$66.78
American Bank Note Co., diplomas,	50.00
Anthony & Sons, E., subscription,	6.00
Arnett, Jr., Robert, washing towels,	12.10
Bailey, George, labor,	36.00
Baker, Samuel J., labor,	16.34
Blaine, J. A., repairing chair,	.85
Bliss, George C., labor,	11.89
Brown, W. S., trees, vines, and labor,	11.50
Carpenter, S. H., labor,	10.00
Central Union Association, pearline,	1.00
Chase & Co., W. D., trees,	65.00
Clarke, L., fish,	10.26
Coffin, Mrs. Hattie, labor,	3.75
Cook & Smith, rent,	200.00
Cranston, O. W., shades and fixtures,	37.00
Damon, Hattie S., labor,	4.00
Dammon, George K., labor,	29.45
Delano, F. E., wardrobe and labor on desks,	36.80
Dennis, Valariah, rent,	499.93
Duddy, James, carting,	13.79
Duff & Son, D., carting,	3.00
Eggars, S., repairing guns,	4.92
Evening Journal Co., subscription,	2.50
First Primitive Methodist Church, rent,	150.00
Freetown, Town of, tuition,	25.00
Gammons, E. H., labor and cressol,	4.00
Gifford & Co., T. J., fitting basin cock,	2.25
Gray, C. A., carting and freight,	31.52
Grinnell, Edmund, weighing coal,	10.39
Hart & Co., T. M., repairing flag and halyards,	4.30
Haskell, E. S., flowers and labor,	15.00
Haskell & Tripp, ribbon and fitting,	5.55
Haskins & Son, O., labor,	43.61
Hatch & Co., express,	29.70
Hatch, W. E., office expenses,	150.00
Hathaway, A. B., ivy,	1.50
Hathaway, George B., filling diplomas,	18.00
Hayden, Eugene, carriage hire,	4.00
Hayes, L. G., labor,	3.57
Hawes, William, photographs,	7.00
Headley & Reed, portrait and frame,	13.25
Heron, J. T., labor,	5.11
Huling, R. G., postage,	6.24
Jennings, W. A., carting,	101.89

Jenney B. F., pencil sharpener,	$1.50	
Kelley, William L., repairing clocks,	4.00	
Kenney, John, chairs,	2.10	
Lawton, James M., Jr., frames, wire, knobs, and mat,	11.26	
Levi, Mary, labor,	66.00	
Maine, H. M., beating and laying carpets,	37.49	
McAfee, John K., services at Cadet camp,	30.00	
McFarlin, James, moving pianos and organs,	4.00	
Mercury Pub. Co., subscription,	6.00	
Moulton, A. G., moving furniture,	6.38	
N. B. City Guards, cleaning Armory,	16.50	
N. B. Journal Co., subscription,	2.50	
N. B. Gas Light Co., lighting schools,	1,042.15	
Nye, George H., fitting drawings,	1.10	
Old Colony Railroad Co., freight,	1.17	
Peirce, E. M., carriage hire,	7.50	
Peirce, William, flower pots and repairing mower,	2.31	
Perry & Son, S. F., carriage hire,	1.50	
Phillips, Henry T., repairing desks and chairs,	168.50	
Pollock, F. O., moving furniture,	5.00	
Poole, Philip S., cleaning,	6.00	
Sherman, William H., carriage hire,	28.00	
Sylvia, John, labor,	13.00	
Smith, W. E., coloring curtains,	3.00	
Southern Massachusetts Telephone Co., telephones and service,	129.00	
Spooner, Joseph W., labor,	4.50	
Sullivan, D. J., clocks and repairing,	37.25	
Wady, A. B , painting school committee rooms,	25.82	
Western Union Telegraph Co., message,	.92	
White, A. P., labor,	37.42	
Whiting & Co., E. B., ribbon,	14.53	
Wilbor, A. G., clock,	4.00	
Wilbur, S. S., moving night soil,	15.50	
Wing, C. F., shades and making,	6.50	$3,514.45
		$33,429.41

Cr.

By appropriation,	$28,000.00	
Cash receipts, as per Treasurer's report,	238.00	
Special appropriation,	5,000.00	
Transfer to balance,	191.41	$33,429.41

PUBLIC SCHOOLS—PAY OF TEACHERS.

Dr.

HIGH SCHOOL.

Ray Greene Huling,	$2,818.75	
Charles T. Bonney, Jr.,	1,640.00	
Charles R. Allen,	1,537.50	
Sarah D. Ottiwell,	1,025.00	
Elizabeth P. Briggs,	915.30	
Lydia J. Cranston,	720.00	
Mary E. Austin,	922.50	
Lucretia N. Smith,	922.50	
Emma K. Shaw,	871.00	
Helen L. Hadley,	725.50	
Mabel W. Cleveland,	737.50	
Mabel A. Spooner,	343.75	
Florence Cleaves,	330.00	
Katharine M. Crabtree,	243.75	
John K. McAfee,	293.75	$14,046.80

GRAMMAR SCHOOLS.

Fifth Street:

Allen F. Wood,	$1,947.50	
Mary A. Kane,	604.50	
Sarah E. Stoddard,	615.00	
Mary E. Allen,	609.00	
Lydia A. Macreading,	615.00	
Janet Hunter,	615.00	
Emma A. McAfee,	615.00	
Harriet F. Hart,	615.00	
Nancy H. Brooks,	583.75	
Blanche W. Sheldon,	522.50	
Grace L. Carver,	496.87	7,839.12

Middle Street:

George H. Tripp,	$1,947.50	
Katharine Commerford,	613.00	
Mary R. Hinckley,	615.00	
Agnes J. Dunlap,	615.00	
Clara S. Vincent,	612.00	
Lucy B. Fish,	613.00	
Clara B. Watson,	615.00	
Maria B. Clark,	599.37	

Mary M. Robinson,	$281.25	
Etta M. Abbott,	599.37	
Julia C. Gifford,	182.00	$7,292.49
PARKER STREET:		
Charles E. E. Mosher,	$1,947.50	
Martha A. Hemenway,	615.00	
Anna L. Jennings,	615.00	
Mary W. Leymunion,	599.00	
Mary E. Sturtevant,	579.75	
May L. Pettey,	367.75	
Mariana N. Richmond,	583.75	
Emily A. Delano,	548.12	
H. Jennie Kirby,	500.56	
Lizzie E. Omey,	532.50	
Susan H. Lane,	467.50	
Regina M. Paul,	461.25	
Carrie E. Footman,	296.87	
Elizabeth B. Brightman,	250.00	
Helen Ring,	240.00	8,604.55
THOMPSON STREET:		
Katharine N. Lapham,	$1,100.00	
Mary A. Macy,	613.00	
Cora B. Cleveland,	471.25	
Daisy M. Butts,	453.25	
Lena B. Hamblin,	481.25	
Elizabeth Bennett,	470.25	
Charlotte M. Allen,	140.00	3,729.00
HARRINGTON TRAINING SCHOOL:		
Josephine B. Stuart,	$920.00	
Anna W. Braley,	995.00	
Belle Almy,	430.00	
Sara M. Hatch,	4.00	
Margaret H. Holmes,	20.00	
Lottie M. Allen,	61.40	
Lizzie M. Briggs,	70.60	
Harriet L. Cornell,	60.40	
Ethel W. Denham,	80.60	
Dora A. DeWolf,	242.60	
Julia C. Gifford,	77.40	
Mary L. Hillman,	75.80	
Harriet N. Hyatt,	78.80	
Annie M. King,	238.00	

Isadore B. Lee,	$27.60	
Ruth E. Pease,	231.60	
Julia M. Pilling,	68.60	
Fannie M. Spooner,	244.20	
Ruth M. Tripp,	39.90	
Caroline E. Bonney,	109.20	
Emma L. Gartland,	97.80	
Julia A. Hunt,	96.00	
Florence A. Poole,	86.70	
Agnes A. Braley,	10.80	
Angela F. Bowie,	44.40	
Julia W. Corish,	40.80	
Kate Moore,	45.60	
Annie L. Burbank,	45.90	
Alice A. Richardson,	38.70	
Grace W. Russell,	44.10	
Lillian T. Thomas,	44.40	$4,670.90

PRIMARY SCHOOLS.

WILLIAM STREET:		
Eleanor Commerford,	$615.00	
Amelia Lincoln,	563.75	
Mary J. Graham,	532.55	
Kate E. Cleary,	563.75	2,275.05
LINDEN STREET:		
Elizabeth P. Spooner,	$615.00	
Lucy S. Leach,	494.25	
Isabella Luscomb,	563.75	
Isadora Foster,	563.75	
Gertrude M. Robinson,	82.96	
Anna I. Dexter,	200.00	2,519.71
MERRIMAC STREET:		
Sarah H. Hewins,	$615.00	
Addie West,	558.95	
Harriet S. Damon,	529.30	1,703.25
MAXFIELD STREET:		
Mary B. White,	$615.00	
Annie E. Pearce,	563.75	
Bessie P. Nash,	65.60	
Mary E. Pasho,	445.62	
Clara C. M. Gage,	470.00	2,159.97

CEDAR STREET:

Annie S. Homer,	$665.45	
Abby D. Whitney,	563.75	
Bessie P. Peirce,	563.75	
Willetta B. Nickerson,	544.12	
Annie L. Edwards,	522.90	
Mabel L. Hathaway,	363.60	$3,223.57

ACUSHNET AVENUE:

Jane C. Thompson,	$305.00	
Sarah E. Kirwin,	561.35	
Susan M. Lucas,	560.55	
Hattie L. Finlan,	613.75	
Clara C. M. Gage,	62.50	
Carrie S. Silva,	506.87	
Anna I. Dexter,	281.25	
Grace Covell,	245.20	
Harriet S. Gardner,	190.00	
Margaret H. Holmes,	370.00	
Harriet N. Hyatt,	160.00	
Julia M. Pilling,	163.20	
Harriet L. Cornell,	140.00	4,159.67

I. W. BENJAMIN:

Jane E. Gilmore,	$797.68	
Susan M. Tompkins,	528.55	
Annie C. O'Connor,	560.55	
Helen J. Kirk,	563.75	
Helen C. Allen,	342.15	
Nellie W. Davis,	223.75	
Mary C. Barstow,	506.87	
Sarah A. Winslow,	347.95	
Annie L. Brownell,	443.22	
Rachel L. Denham,	435.22	
Susan P. Diman,	249.29	
Mabel Bennett,	431.60	
Mabel Hathaway,	50.00	
Nellie H. Cook,	182.00	
Alice A. Taylor,	180.00	
Eleanor V. Tripp,	170.00	6,012.49

FOURTH STREET:

Sarah H. Cranston,	$406.25	
Eliza H. Sanford,	563.75	
Sarah E. Sears,	563.75	

Annie L. Macreading,	$506.87	
Alice A. Taylor,	265.62	
Myra A. Leach,	265.62	
Lillie C. Tillinghast,	220.00	
Grace Covell,	169.20	$2,961.06

DARTMOUTH STREET:

Isadore F. Eldridge,	$683.19	
M. Eva Schwall,	563.75	
Sara H. Kelley,	555.75	
Grace H. Potter,	483.25	
Annie F. Smith,	444.82	
Edith M. B. Taber,	416.00	
Nellie H. Cook,	174.00	
Sara M. Hatch,	110.00	3,430.76

CEDAR GROVE STREET:

Lucy F. Clark,	$699.98	
Mary J. Eldridge,	563.75	
Carrie A. Shaw,	510.90	
Flora E. Estes,	530.90	
Annie G. Brawley,	506.87	
Edith K. Weeden,	445.62	
Eleanor V. Tripp,	248.40	
Isabel S. Horr,	303.20	
Sara M. Hatch,	170.00	3,979.62

CANNONVILLE:

Addie J. McFarlin,	$563.75	
Lillie C. Tillinghast,	304.50	
Ethel W. Denham,	156.80	1,025.05

MILL SCHOOLS.

NORTH:

Emma R. Wentworth,	$682.00	
Kate Sweet,	524.37	1,206.37

SOUTH:

Lucy J. Remington,	$736.00	
Gertrude M. Robinson,	193.28	
Ruby M. Tripp,	112.80	1,042.08

COUNTRY SCHOOLS.

ACUSHNET:		
Charlotte C. Carr,	$717.50	
Caroline O. Pierce,	487.00	
Belle B. Wheeler,	532.50	$1,737.00
CLARKS POINT:		
Julia A. Fay,		516.50
NORTH:		
Mary I. Ashley,	$569.37	
Mabel Besse,	38.00	607.37
PLAINVILLE:		
Mary E. Haney,		522.50
ROCKDALE:		
Lucy K. Hatch,	$315.00	
Alice P. Terry,	78.75	
Amelia F. Keen,	195.00	588.75

SPECIAL TEACHERS.

DRAWING:		
Blanche I. George,	$746.00	
Mary W. Gilbert,	480.00	1,226.00
SINGING:		
F. H. Butterfield,		1,734.00
SEWING:		
Carrie H. Richmond,	$563.75	
Eliza A. Smalley,	308.51	
Gertrude H. Leonard,	402.85	1,275.11

ELEMENTARY EVENING SCHOOLS.

FIFTH STREET:	
Oliver W. Cobb,	$183.00
Mrs. C. T. Johnson,	83.78
Grace H. Potter,	83.78
Nancy H. Brooks,	82.41
Annie F. Smith,	82.41
Alice A. Taylor,	83.78
Nellie H. Cook,	83.78
Julia A. Fay,	32.96
Belle Almy,	82.41

Sarah E. Stoddard,	$82.41	
Jennie K. Terry,	32.97	
Mary J. Graham,	35.71	
Lizzie M. Briggs,	83.78	
Julia C. Gifford,	82.41	
Grace W. Russell,	45.32	
Annie L. Burbank,	46.70	
Kate Moore,	48.07	
Cora G. Bingley,	42.58	
M. Eva Schwall,	1.37	
Bessie C. Read,	1.37	
Mary E. Allen,	1.37	$1,302.37
MERRIMAC STREET:		
Mary A. Kane,	$168.63	
Mary Crowell,	8.24	
Blanche W. Sheldon,	65.92	
Mabel L. Hathaway,	83.78	
Charlotte M. Allen,	30.22	
Emma R. Wentworth,	5.49	
Annie C. Hart,	17.85	
Julia W. Corish,	1.37	
Florence A. Poole,	35.71	
Alice A. Richardson,	48.07	
Harriet L. Cornell,	48.07	
Anna I. Hathaway,	46.70	
Sarah E. Kirwin,	48.07	
Julia A. Hunt,	12.36	
Mary J. Eldridge,	27.47	647.95
PARKER STREET:		
George H. Tripp,	$171.00	
Agnes J. Dunlap,	4.12	
Sara L. Tallman,	24.72	
Ida A. McAfee,	35.71	
Mary F. Wilde,	71.42	
Ethel Denham,	35.71	
Regina M. Paul,	79.66	
M. Anna Taber,	46.70	
Annie Murphy,	46.70	
Julia W. Corish,	46.70	
Lucy B. Fish,	2.75	
Grace Bates,	31.59	
Leona M. Bosworth,	43.95	
Emma R. Wentworth,	10.99	
Charles E. E. Mosher,	9.00	660.72

CEDAR GROVE STREET:

Allen F. Wood,	$183.00	
Robert Washburn,	31.59	
Zenas Briggs,	46.70	
Annie G. Brawley,	83.78	
Grace Carver,	56.31	
Nannie P. Slocum,	83.78	
Daisy M. Butts,	12.36	
Addie J. McFarlin,	32.96	
Mary R. Hinckley,	83.78	
Abby R. Johnson,	83.78	
Sarah E. Kirwin,	35.71	
Susan P. Diman,	19.23	
Carrie E. Footman,	35.71	
Dora A. DeWolf,	35.71	
Isabel S. Horr,	83.78	
Fannie M. Spooner,	1.37	
Emma R. Wentworth,	2.75	
Mrs. J. E. Edwards,	46.70	
Mary W. Leymunion,	26.10	
Flora E. Estes,	39.83	
Kate Sweet,	12.36	
Lydia A. Macreading,	17.85	
Myra S. Ashley,	13.73	
Marion Swasey,	1.37	$1,070.24

THOMPSON STREET:

Joseph P. Kennedy,	$170.00	
Mrs. S. C. Whelden,	83.78	
Janet Hunter,	83.78	
Hattie L. Finlan,	35.71	
Annie M. King,	82.41	
Isadore B. Lee,	35.71	
Leonora B. Hamblin,	81.04	
Emma L. Gartland,	48.07	
Caroline E. Bonney,	48.07	
Charlotte M. Allen,	1.37	
Lizzie Bennett,	2.75	672.69

EVENING DRAWING SCHOOL.

Florence Cleaves,	$100.00	
George H. Nye,	157.50	
George A. Stetson,	143.50	
Katharine M. Crabtree,	69.00	
Frank C. Taylor,	30.00	500.00

SUBSTITUTES.

Charlotte M. Allen,	$56.80	
Angela F. Bowie,	1.60	
Lizzie M. Briggs,	153.60	
Agnes E. Braley,	2.00	
Caroline E. Bonney,	8.00	
Elizabeth B. Brightman,	30.40	
Julia W. Corish,	10.40	
Lena A. Chubbuck,	51.20	
Nellie H. Cook,	13.60	
Harriet L. Cornell,	52.00	
Dora A. DeWolf,	4.00	
Ethel W. Denham,	8.00	
Carrie E. Footman,	16.00	
Harriet S. Gardner,	151.00	
Helen M. Gordon,	96.00	
Julia C. Gifford,	11.40	
Emma L. Gartland,	2.40	
Harriet N. Hyatt,	12.80	
Lizzie D. Hicks,	1.44	
Sara M. Hatch,	38.00	
Mary L. Hillman,	45.60	
Annie M. King,	12.80	
Isadore B. Lee,	23.20	
Kate Moore,	.80	
Annie Murphy,	40.00	
Florence A. Poole,	30.00	
Julia M. Pilling,	28.80	
Ruth E. Pease,	32.00	
Grace W. Russell,	.80	
Bessie C. Read,	10.56	
Alice A. Richardson,	24.00	
S. Flora Spare,	25.50	
Marguerite J. Steele,	120.00	
Ruby M. Tripp,	2.60	
Lillian T. Thomas,	5.60	
Ruth M. Tripp,	18.80	
Kate Whelden,	2.40	$1,144.10
		$96,086.81
To transfer to balance,		413.19
		$96,500.00

Cr.

By appropriation,	$70,000.00	
Special appropriation,	26,500.00	$96,500.00

PUBLIC SCHOOLS—REPAIRS OF BUILDINGS.

Dr.

ACUSHNET:		
Cobb, George A.,	$6.47	
Morton, E. F.,	37.80	
Paisler, C. S.,	20.00	
Silvia, John,	2.70	
Spooner, J. W.,	74.03	
West, W. R.,	1.02	
Williams, A.,	2.65	$144.67
ACUSHNET AVENUE:		
Chace, Ezra B.,	$5.05	
DeWolf & Vincent,	.45	
Hart & Akin,	15.72	
Other, Samuel,	3.50	
Penney, E. F.,	7.55	
Raymond, W. F.,	5.00	
Street Department,	119.32	156.59
BENJAMIN:		
Bliss, George C.,	$26.55	
Chace, Ezra B.,	72.95	
Delano's Sons, George,	2.00	
Greene, M. S.,	2.20	
Greene & Wood,	.71	
Jenney & Buflington,	10.66	
Maxfield & Sons, Wm.,	136.14	
Sowle, F. L.,	2.49	
Shea, Michael,	21.00	
Street Department,	156.16	
Tripp, S. A.,	11.57	
Wood, Brightman & Co.,	5.26	447.69
CANNONVILLE:		
Hazzard, J. B.,	$17.87	
Jenney & Buffington,	23.30	
Sherman & Son, C. R.,	1.00	
Tripp, H. W.,	248.13	
Wady, A. B.,	112.70	403.00

CEDAR STREET:		
Beetle, R.,	$17.93	
Hatch, George E.,	38.57	
Hazzard, J. B.,	8.72	
Lewis, B. F.,	19.20	
Swift, P. R.,	46.95	
Tripp, H. C.,	2.25	$133.62
CEDAR GROVE STREET:		
Hart & Akin,	$.88	
Holmes, D. W.,	6.89	
West, W. R.,	11.58	19.34
CLARKS POINT:		
Briggs, George E.,	$3.50	
Dobson, George,	14.90	
Hickey, M. A.,	4.77	
Penney, E. F.,	3.80	26.97
DARTMOUTH STREET:		
Briggs, George E.,	$634.05	
DeWolf & Vincent,	.40	
Dobson, George,	5.63	
Duddy, James,	6.65	
Hazzard, J. B.,	3.20	
Jenney & Buffington,	16.65	
Karcher, Herman,	57.83	
Penney, E. F.,	20.64	745.05
FIFTH STREET:		
Bliss, George C.,	$6.25	
Chace, Ezra B.,	310.24	
Hart & Akin,	121.77	
Hayden, W. G.,	338.49	
Mason, J. L. G.,	706.00	
N. B. Water Works,	6.34	
Smead Warming & Ventilating Co.,	600.00	
Sowle & Co., F. L.,	15.60	
Street Department,	16.77	2,121.46
FOURTH STREET:		
Chace, Ezra B.,	$53.56	
Coggeshall, Maxfield & Co.,	7.68	
Hazzard, J. B.,	12.94	
Jenney & Buffington,	39.86	
Sherman, J. H.,	39.04	
Street Department,	5.00	
Wady, A. B.,	.50	158.58

HARRINGTON:

Boyer, Peter,	$22.50	
Briggs, D. D.,	5.75	
Haskins & Sons, O.,	35.88	
Lewis, B. F.,	6.97	
Pope, A. P.,	36.40	
Street Department,	41.89	
West, W. R.,	5.00	
Wood, Brightman & Co.,	18.66	$173.05

HIGH:

Chace, Ezra B.,	$83.32	
Chase, A. H.,	10.00	
Hart & Akin,	7.13	
Maxfield & Sons, William,	262.23	
Peirce, William,	25.75	
Pope, A. P.,	8.23	
Street Department,	1.78	
Wilson, D. W.,	1,376.54	
Wood, Brightman & Co.,	595.32	2,370.30

LINDEN STREET:

Morton, E. F.,	$12.50	
Washburn, F. P.,	1.00	
West, W. R.,	12.12	25.62

MAXFIELD STREET:

Haskins & Sons, O.,	$40.83	
Hatch, George E.,	60.11	
Hazzard, J. B.,	4.20	
Lewis, B. F.,	2.50	
Phinney, Lydia A.,	3.00	
Tillinghast, W. A.,	3.04	113.68

MERRIMAC STREET:

Lloyd Bros.,	$3.96	
Lowe, S. C.,	1.75	
Morton, E. F.,	139.70	
Sullivan, J. B.,	10.32	
Washburn, F. P.,	4.10	
West, W. R.,	186.45	346.28

MIDDLE STREET:

Allen, F. E.,	$10.75	
Boyer, Peter,	16.31	
Haskins & Sons, O.,	229.56	

Hayden, W. G.,	$579.76	
Hazzard, J. B.,	8.12	
Lewis, B. F.,	56.62	
Peirce, Wm.,	.40	
Pope, A. P.,	82.00	
Sherman, J. L.,	26.68	
Smead Warming & Ventilating Co.,	600.00	
Sowle & Co., F. L.,	13.00	
Street Department,	5.00	
Wheaton, Nathan,	615.72	
Wood, Brightman & Co.,	8.33	$2,252.25
NORTH:		
Chase, C. F.,	$1,512.24	
Hammond & Son, C.,	73.00	1,585.24
PARKER STREET:		
Haskins & Sons, O.,	$30.61	
Hatch, George E.,	57.98	
Holmes, D. W.,	1.30	
Street Department,	10.15	
Thompson, Charles,	194.68	
Tripp, H. C.,	10.66	
West, W. R.,	9.50	314.88
PLAINVILLE:		
Lewis, B. F.,	$8.90	
Poole, Philip S.,	1.00	9.90
ROCKDALE:		
Bosworth, G. A.,	$175.99	
Brown, W. S.,	56.00	
Holmes, D. W.,	17.43	
Street Department,	1.62	
Sullivan, J. P.,	198.60	449.64
THOMPSON STREET:		
DeWolf & Vincent,	$2.40	
Dobson, George,	7.50	
Hickey, M. A.,	9.28	
Karcher, Herman,	17.91	
Peirce, William,	8.65	
Penney, E. F.,	316.72	
Street Department,	4.00	366.46

WILLIAM STREET:		
Coggeshall, Maxfield & Co.,	$24.05	
Hazzard, J. B.,	9.68	
Jenney & Son, P. P.,	3.07	
Jenney & Buffington,	12.60	
Street Department,	3.50	$52.90
WELD STREET:		
Sullivan, Martin H.,		23.45
MISCELLANEOUS:		
Lawthur, L.,	$79.65	
Lowe, W. A.,	129.36	
Street Department,	131.90	340.91
		$12,781.53

CR.

1893, Jan. 4. By balance,	$2,400.00	
Appropriation,	5,000.00	
Special appropriation,	5,000.00	
Transfer to balance,	381.53	$12,781.53

PUBLIC SCHOOLS—DOG FUND.

Dr.

Almy & Hitch,	$2.50	
Black, Peter,	12.70	
Bliss & Nye,	12.50	
Brightman, Wm. P.,	2.80	
Chace, Exra B.,	88.80	
Coffin Bros.,	15.75	
Educational Publishing Co.,	.50	
Footman, John W.,	2.20	
Hart & Co., T. M.,	103.31	
Haskell & Tripp,	7.83	
Haskins & Sons, O.,	14.02	
Hatch & Co.,	1.55	
Hatch, W. E.,	150.00	
Johnson & Howland,	124.92	
Kelley, Wm. L.,	6.00	
Lowe, S. C.,	1.30	
Mason & Co., Perry,	1.00	
Moynan & Co.,	7.28	
Olstein, John L.,	8.83	
Penney, E. F.,	3.07	
Perry, G. S.,	84.04	
Phillips, H. T.,	87.50	
Public Schools, Incidentals,	232.50	
Richards, G. D.,	20.00	
Sherman, Wm. H.,	28.00	
Sullivan, Martin H.,	25.68	
Tallman, E. S.,	62.50	
Tompkins, I. B.,	62.50	
Tripp, S. A.,	4.17	
U. S. Public Service Co.,	168.00	
Weeden, Mrs. A. H.,	1.50	
White, A. P.,	87.50	$1,430.75
Jan. 2, 1893. To balance,		3,195.04
		$4,625.79

Cr.

Jan. 4, 1892. By balance,	$3,351.37	
Cash receipts, as per Treasurer's report,	1,274.42	$4,625.79

Cr.

Jan. 2, 1893. By balance,	$3,195.04

PUBLIC WORKS—PERMANENT IMPROVEMENTS.

Dr.

Pay-rolls,		$1,289.50
Supplies:		
Paine & Bro., S. S.,	$841.71	
Sherman, W. D.,	.50	
Street Department,	430.19	
Warren, Joseph C.,	2.62	1,275.02
To transfer,		2,188.93
		$4,753.45

Cr.

Jan. 4, 1892. By balance,	$4,750.07	
Cash receipts, as per Treasurer's report,	3.38	$4,753.45

REAL ESTATE TAX ACCOUNT.

Dr.

1892, Jan. 4. To balance,	$322.75	
Collector of Taxes,	315.12	$637.87

Cr.

By paid up taxes, as per Treasurer's report,	$158.53	
1893, Jan. 2. By balance,	479.34	$637.87

Dr.

Jan. 2, 1893. To balance,	$479.34

REPAIRS OF CITY PROPERTY.

Dr.

ALMSHOUSE:		
Davis, Z. B.,	$28.18	
Miller & Hook,	18.74	
Perkins & Chase,	13.35	$60.27
CITY HALL:		
Ballou, J. L.,	$40.95	
DeWolf & Vincent,	3.00	
Hammond, F. W.,	1.90	
Hart & Co., T. M.,	.87	
N. B. Gas & Edison Light Co.,	2.60	
Piper, A. D.,	.60	
Pope, A. P.,	27.63	
Rodgers, James,	152.75	
Sherman, J. H.,	17.25	
Street Department,	13.35	
Wady, A. B.,	3.02	
Wood, Brightman & Co.,	11.79	275.71
CITY WOOD AND COAL YARD:		
Bosworth, William,		51.45
ENGINE HOUSES:		
Ballou, J. L.,	$257.64	
Barrows & Lawton,	97.29	
Greene, M. S.,	26.49	
Hunt, S. C.,	50.00	
Miller & Hook,	790.00	
Wood, M. Pope,	106.20	1,327.62
LIBRARY BUILDING:		
Almy & Hitch,	$2.85	
Atwood, H. M.,	14.70	
Babbitt, Wood & Co.,	3.30	
Briggs & Lawrence,	446.53	
Coggeshall, Maxfield & Co.,	331.41	
Cook, S. H.,	100.00	
Durfee, E. M.,	8.45	
Hart & Co., T. M.,	13.25	
Hart & Akin,	213.92	

Hathaway, L. J.,	$.50	
Hayes, N. P.,	1.35	
Hickey, M. A.,	607.66	
Mandell, S. G.,	.50	
McAuliff, D. J.,	10.00	
N. B. Boiler & Machine Co.,	10.80	
Pomeroy, H. G.,	1.25	
Pope, A. P.,	154.02	
Richards, George D.,	34.75	
Sherman, J. H.,	3.25	
Taber, R. A.,	23.99	
Wilber, S. B.,	15.86	
Wing, C. F.,	71.83	
Wood, Brightman & Co.,	66.22	
Wright Drug Co.,	50.00	$2,186.39
POLICE STATIONS:		
Babbitt, Wood & Co.,	$315.29	
Ballou, J. L.,	2.03	
Norton, Elizabeth H.,	1,200.00	
Sherman, Clifford P.,	10.00	
Street Department,	60.42	
Wood, Brightman & Co.,	.90	1,588.64
SCHOOL HOUSES:		
Corson, T. S.,	$38.67	
Hart & Akin,	39.03	
Wilson, D. W.,	2.25	
Wood, Brightman & Co.,	316.28	396.23
VETERAN FIREMEN'S ASSOCIATION BUILDING:		
Davis, Z. B.,	$28.28	
Hammond, F. W.,	893.66	
Hart & Akin,	5.79	
Hatch, George E.,	35.98	
Hunt, S. C.,	35.00	
N. B. Gas & Edison Light Co.,	2.04	
N. B. Water Works,	4.32	
Oesting, F. W.,	75.00	
Piper, A. D.,	.40	
West, W. R.,	298.84	1,379.31
WARD ROOMS:		
Brightman, C. O.,	$.88	
Faunce & Johnson,	82.41	
Mandell, S. G.,	.25	

N. B. Gas & Edison Light Co.,	$13.55	
N. B. Water Works,	10.02	
Penney, E. F.,	65.00	
Street Department,	17.65	$189.76
MISCELLANEOUS:		
Brownell, S. A., telegram,	$.41	
Cummings, C. S. & B., refreshments,	7.50	
Drake, A. B., surveys,	66.50	
Kirby & Hicks, carriages,	8.00	
N. B. Monumental Works, tablet,	35.00	
Richards, W. D., carriages,	3.00	
Sherman, W. H., carriages,	31.00	
Street Department, cleaning snow,	248.60	
Terry, L. T., one-half expense of fence at the Common,	36.23	436.24
		$7,891.62

CR.

1892, Jan. 4. By balance,	$875.00	
Appropriation,	3,000.00	
Special appropriations,	2,440.00	
Transfer from unappropriated funds,	850.00	
Transfer to balance,	726.62	$7,891.62

SALARIES.

Charles S. Ashley, Mayor,	$2,000.00	
James H. Hathaway, Collector and Treasurer,	2,600.00	
Daniel B. Leonard, City Clerk,	1,000.00	
William B. Topham, City Auditor,	1,006.94	
Frederic A. Brownell, City Auditor,	165.77	
George W. Parker, City Auditor,	77.29	
Thomas F. Desmond, City Solicitor,	1,000.00	
William R. Sherman, Sealer Weights and Measures,	148.16	
Walter A. Jenney, Sealer Weights and Measures,	216.84	
Charles D. Tuell, Assessor,	1,000.00	
William A. Russell, Assessor,	750.00	
John A. Ruggles, Assessor,	750.00	
William A. Mackie, Clerk Common Council,	250.00	
Augustus D. Piper, City Messenger,	800.00	
Isaac Barnes, Bellringer,	125.00	
Small & Woodworth, Superintendent City Clock,	75.00	
Henry L. Pitman, Harbor Master,	211.80	
Henry F. West, Harbor Master,	13.44	
Daniel D. Briggs, Supervisor of Wires,	300.00	
Daniel C. Ashley, Inspector Milk and Provisions,	600.00	
Frederick Macy, Inspector of Buildings,	200.00	$13,290.24

BOARD OF HEALTH:

Dr. William N. Swift,	$300.00	
Nathaniel Hathaway,	300.00	
Thomas W. Cook,	300.00	900.00

BOARD OF REGISTRARS:

Emanuel Sullavou,	$400.00	
Herbert A. Blackmer,	400.00	
Charles J. McGurk,	400.00	
Daniel B. Leonard,	300.00	1,500.00

BOARD OF ALDERMEN:

Allen Russell, Jr.,	$100.00	
Henry C. Hathaway	100.00	
Charles H. Brownell,	100.00	

Stephen A. Brownell,	$100.00	
William H. Sherman,	100.00	
William H. Rankin,	100.00	$600.00
		$16,290.24
To transfer to balance,		24.76
		$16,315.00

Cr.

By appropriation,	$11,315.00	
Special appropriation,	5,000.00	$16,315.00

SEWERS—GENERAL ACCOUNT.

Dr.

Pay-rolls,	$5,613.51
Acushnet Iron Co.,	635.69
Allen's Express,	4.50
Ames Plow Co,	24.50
Anthony, C. W.,	1,689.00
Beetle & Howard Streets Sewer,	28.85
Borden, H. T.,	1.50
Boston Woven Hose & Rubber Co.,	121.25
Buchell Shoe House,	26.50
Burgess, Stephen,	15.00
Chapman Valve Mfg. Co.,	15.52
Clifton, J. W.,	.50
Coggeshall, Maxfield & Co.,	3.50
Coleman, J. A.,	35.00
Coleman Sewer Trap Co.,	360.00
Concord Foundry Co.,	9.00
Corson, T. S.,	171.85
Coxen & Tripp,	.10
Crapo, Peter,	134.50
Delano, F. E.,	13.90
Donaghy, Thomas,	14.50
Edson Mfg. Co.,	102.00
Engineering Department,	267.96
Ennis, John H.,	3.95
Fearing & Co., H. L.,	1.95
Grape Street Sewer,	1,985.41
Gray, Charles A.,	5.40
Greene & Wood,	6.14
Hammond, H. S.,	3.50
Hart & Co., T. M.,	24.72
Hart & Akin,	.65
Hatch & Co.,	1.40
Hatch, Geo. E.,	2.35
Hayes, N. P.,	10.50
Ingersol-Sargent Drill Co.,	2,005.13
Jenney & Buffington,	5.00
Kirby, C. L.,	.40
Lawton, C. H. & H. A.,	.85
Lowe & Co., James,	.30
Lowe, S. C.,	231.01

McCullough, John,	$78.60	
Mayo, Joseph H.,	1.50	
N. B. Cordage Co.,	91.18	
N. B. Towboat Co.,	365.50	
N. B. Water Works,	115.67	
Old Colony Railroad Co.,	50.88	
Otheman & Dunham,	5.62	
Paine & Bro., S. S.,	4,271.83	
Paisler, C. S.,	11.73	
Parks and Squares,	19.25	
Pierce, E. H.,	168.00	
Public Works—Permanent Improvements,	3.38	
Richards, Geo. D.,	26.20	
Russell, John A.,	12.00	
Russell, W. A.,	100.00	
Sampson, G. H.,	.83	
Sawyer, S. P.,	1.75	
Sawyer Street Sewer,	41.27	
Smith, Carleton Iron Co.,	310.28	
Southern Mass. Telephone Co.,	.81	
Spooner & Bro., G. H.,	132.00	
Staples Bros.,	16.00	
Steamer Harry,	1.80	
Steamer Volunteer,	2.00	
Street Department,	10,519.94	
Tillinghast, W. A.,	61.51	
Wamsutta Mills,	7.50	
West French Avenue Sewer,	1.88	
Wilson, D. W.,	2.48	
Winslow, J. F., agent,	8,682.32	
Wood, Brightman & Co.,	32.07	$38,718.07

Cr.

By appropriation,	$1,500.00	
Special appropriations,	16,200.00	
Cash receipts, as per Treasurer's report,	11,520.05	
Transfer from Engineering Department,	7,000.00	
Transfers to balance,	2,493.02	$38,713.07

SEWERS—BEETLE AND HOWARD STREETS.

Dr.

Pay-rolls,	$1,904.23	
Drake, A. B.,	15.00	
Grape Street Sewer,	431.52	
General Sewers,	178.77	
Lowe, S. C.,	233.59	
Pease, F. R.,	1.65	
Sampson, G. H.,	10.28	
Spencer's Woodyard,	2.75	
Street Department,	372.33	$3,150.12
To transfer to balance,		171.65
		$3,321.77

Cr.

By special appropriation,	$3,200.00	
Cash receipts, as per Treasurer's report,	121.77	$3,321.77

SEWERS—BELLEVILLE AVENUE, NO. 2.

Dr.

Pay-rolls,	$699.49	
Drake, A. B.,	24.00	
General Sewers,	521.30	
Greene & Wood,	9.24	
Paine & Brò., S. S.,	596.86	
Street Department,	215.42	$2,066.31

Cr.

By special appropriation,	$2,000.00	
Transfer to balance,	66.31	$2,066.31

SEWERS—BELLEVILLE AVENUE, NO. 3.

Dr.

Pay-rolls,	$305.09	
Drake, A. B.,	10.00	
General Sewers,	64.51	
Sampson, G. H.,	3.00	
Street Department,	65.26	$447.86
To transfer to balance,		352.14
		$800.00

Cr.

By special appropriation,	$800.00

SEWERS—COFFIN AVENUE.

Dr.

Pay-rolls,	$4.00	
Paine & Bro., S. S.,	419.25	$423.25
Jan. 4, 1892. To balance,		7,648.78
		$8,072.03

Cr.

By special appropriation,	$8,000.00	
Cash receipts, as per Treasurer's report,	72.03	$8,072.03

Cr.

1893, Jan. 2. By balance,	$7,648.78

SEWERS—COGGESHALL STREET, NO 2.

Dr.

Pay-rolls,	$701.20	
Drake, A. B.,	16.00	
General Sewers,	121.11	
Street Department,	83.07	$921.38

Cr.

By special appropriation,	$800.00	
Transfer from Engineering Department,	103.78	
Transfer to balance,	17.60	$921.38

SEWERS—COTTAGE STREET, NO. 4.

Dr.

Pay-rolls,	$128.00	
Drake, A. B.,	16.00	
General Sewers,	133 53	
Street Department,	15.97	$293.50
To transfer to balance,		506.50
		$800.00

Cr.

By special appropriation,	$800.00

SEWERS—COURT STREET, No. 3.

Dr.

Pay-rolls,	$1,562.53	
Drake, A. B.,	5.00	
General Sewers,	424.70	
Greene & Wood,	74.29	
Hatch & Co.,	.90	
Randall, C. G. & G. A.,	35.02	
Sampson, G. H.,	54.13	
Street Department,	169.99	$2,326.56
Transfer to balance,		2,673.44
		$5,000.00

Cr.

By special appropriation,	$5,000.00

SEWERS—COVE ROAD.

Dr.

Pay-rolls,	$86.14	
Drake, A. B.,	8.00	
General Sewers,	111.36	
Street Department,	5.72	$211.22
To transfer to balance,		188.78
		$400.00

Cr.

By special appropriation,	$400.00

SEWERS—COVE STREET, NO. 2.

Dr.

Pay-rolls,	$309.90	
Drake, A. B.,	9.00	
General Sewers,	186.05	
Street Department,	44.45	$549.40
To transfer to balance,		125.60
		$675.00

Cr.

By special appropriation,	$675.00

SEWERS—DELANO STREET, NO. 2.

Dr.

Pay-rolls,	$217.25	
Drake, A. B.,	32.00	
General Sewers,	131.96	
Sawyer Street Sewer,	2.10	
Street Department,	29.31	$412.62
To transfer to balance,		587.38
		$1,000.00

Cr.

By special appropriation,	$1,000.00

SEWERS—EMERSON STREET.

Dr.

Pay-rolls,	$565.80	
Drake, A. B.,	20.50	
General Sewers,	121.57	
Gray, C. A.,	18.05	
Greene & Wood,	1.23	
Lowe & Co., James,	.20	
Street Department,	45.70	$773.05

Cr.

Jan. 4, 1892. By balance,	$574.89	
Special appropriations,	198.16	$773.05

SEWERS—FAIR STREET.

Dr.

Pay-rolls,	$123.47	
Drake, A. B.,	16.00	
General Sewers,	79.98	
Street Department,	16.77	$236.22
To transfer to balance,		263.78
		$500.00

Cr.

By special appropriation,	$500.00

SEWERS—GRAPE STREET EXTENSION.

Dr.

Pay-rolls,	$15,109.17
Addison, T. L.,	129.38
Babbitt, Wood & Co.,	13.17
Beetle and Howard Streets Sewer,	88.42
Borden, H. T.,	2.75
Butler, Wm. P.,	8.48
Coffin Avenue Sewers, No. 2,	43.00
Cornell, C. R.,	8.50
Corson, T. S.,	3.85
Crapo, Peter,	12.50
DeWolf & Vincent,	8.26
Fearing & Co., H. L.,	205.89
Gray, C. A.,	50.54
Greene & Wood,	517.97
General Sewers,	379.03
Gifford & Co., T. J.,	8.83
Handy, Jonathan,	3.08
Hatch & Co.,	.75
Holmes, A. W.,	370.41
Ingersol-Sargent Drill Co.,	1,322.69
Kennedy, J. P.,	26.57
Lowe, S. C.,	229.04
Luscomb Machine Co.,	5.35
Luscomb & Cory,	1.63
Moriarty Bros.,	3.47
N. B. Boiler & Machine Co.,	1.00
N. B. Cordage Co.,	63.07
N. B. Gas & Edison Light Co.,	.25
Old Colony Railroad Co.,	26.24
Paine & Bro., S. S.,	2,299.24
Parker, Field, & Mitchell,	900.00
Peirce, H. S.,	1.90
Pierce, E. H.,	99.46
Pothier, Dr. J. C.,	9.00
Potter, Dr. W. G.,	10.00
Robinson & Co., W. A.,	.75
Sampson, G. H.,	35.00
Sowle, N. P.,	1.40
Street Department,	1,740.53
Sweet, Dr. Job,	11.00

Taber, Noel,	$1.67	
Tillinghast, W. A.,	52.53	
West French Avenue Sewer,	1.32	
Wilson, D. W.,	15.68	$23,822.77

Cr.

Jan. 4, 1892. By balance,	$1,372.35	
By special appropriation,	20,000.00	
Cash receipts, as per Treasurer's report,	2,185.05	
Transfer to balance,	265.37	$23,822.77

SEWERS—HARBOR STREET.

Dr.

Pay-rolls,	$80.99	
Drake, A. B.,	7.00	
General Sewers,	229.46	
Street Department,	18.83	$336.28
To transfer to balance,		163.72
		$500.00

Cr.

By special appropriation,	$500.00

SEWERS—HEMLOCK STREET.

Dr.

Pay-rolls,	$107.96	
Drake, A. B.,	7.00	
General Sewers,	83.44	
Street Department,	10.79	$209.19
To transfer to balance.		290.81
		$500.00

Cr.

By special appropriation,	$500.00

SEWERS—JENNEY STREET.

Dr.

Pay-rolls,	$290.30	
Drake, A. B.,	16.00	
General Sewers,	282.57	
Street Department,	32.79	$621.66
To transfer to balance,		878.34
		$1,500.00

Cr.

By special appropriation,	$1,500.00

SEWERS—MAXFIELD STREET, NO. 4.

Dr.

Pay-rolls,	$402.62	
Drake, A. B.,	23.00	
General Sewers,	163.90	
Street Department,	51.93	$641.45
To transfer to balance,		558.55
		$1,200.00

Cr.

By special appropriations,	$1,200.00

SEWERS—MYRTLE STREET, NO. 1.

Dr.

To balance,	$750.00

Cr.

By special appropriation,	$750.00

Cr.

By balance,	$750.00

SEWERS—MYRTLE STREET.

Dr.

Pay-rolls,	$1,616.83	
Coffin Avenue Sewer, No. 2,	29.03	
Coggeshall, C. W.,	1.36	
Drake, A. B.,	28.00	
General Sewers,	238.30	
Greene & Wood,	9.26	
Street Department,	80.83	$2,003.61
Jan. 2, 1893. To balance,		396.39
		$2,400.00

Cr.

By special appropriation,	$2,400.00

Cr.

Jan. 2, 1893. By balance,	$396.39

SEWERS—NELSON STREET.

Dr.

Pay-rolls,	$347.36	
Drake, A. B.,	30.00	
General Sewers,	311.32	
Street Department,	73.24	$761.92
To transfer to balance,		1,238.08
		$2,000.00

Cr.

By special appropriation,	$2,000.00

SEWERS—NORTH FRONT STREET, NO. 2.

Dr.

Pay-rolls,	$263.57	
Drake, A. B.,	8.00	
General Sewers,	295.97	
Grape Street Sewer,	3.55	
N. B. Water Works,	38.58	
Street Department,	30.15	$639.82
To transfer to balance,		871.68
		$1,511.50

Cr.

By special appropriation,	$1,500.00	
Cash receipts, as per Treasurer's report,	11.50	$1,511.50

SEWERS—NORTH FRONT STREET, NO. 3.

Dr.

Drake, A. B.,	$4.00	
General Sewers,	82.04	
Grape Street Sewer,	1.80	
North Front Street Sewer, No. 2,	11.50	
Street Department,	209.05	$308.39
To transfer to balance,		191.61
		$500.00

Cr.

By special appropriation,	$500.00

SEWERS—ORCHARD STREET, NO. 4.

Dr.

Pay-rolls,	$2,421.82	
Crapo, Peter,	703.63	
General Sewers,	242.15	
Greene & Wood,	145.59	
Hayes, N. P.,	12.67	
Howland Mills Corporation,	58.98	
Paine & Bro., S. S.,	2,379.99	
Street Department,	572.70	$6,537.53

Cr.

By special appropriation,	$6,000.00	
Transfer from Engineering Department,	537.50	$6,537.50

SEWERS—PECKHAM STREET.

Dr.

Pay-rolls,	$1,535.36	
Drake, A. B.,	32.00	
General Sewers,	296.26	
Greene & Wood,	395.00	
Jenney & Son, P. P.,	.25	
N. B. Water Works,	5.19	
Street Department,	186.92	
Warren, David,	1.50	$2,452.48
To transfer to balance,		147.52
		$2,600.00

Cr.

By special appropriation,	$2,600.00

SEWERS—SAWYER STREET.

Dr.

Pay-rolls,	$9,297.98	
Babbitt, Wood & Co.,	1.27	
Brownell, Dr. W. E.,	14.00	
Central Union Association,	6.50	
Coggeshall, C. W.,	11.58	
Corson, T. S.,	135.49	
Dehn, Dr. E. W.,	37.00	
Gardner & Southwick,	1.55	
General Sewers,	1,453.51	
Gray, C. A.,	233.65	
Handy, Jonathan,	28.64	
Ingersol-Sargent Drill Co.,	104.62	
Lowe, J. H.,	9.50	
Lowe, S. C.,	156.83	
N. B. Water Works,	3.08	
Old Colony Railroad Co.,	250.16	
Otheman & Dunham,	.85	
Paine & Bro., S. S.,	971.13	
Pease, F. R.,	1.65	
Perkins & Chase,	205.88	
Sampson, G. H.,	31.77	
Spencer's Woodyard,	44.00	
Street Department,	974.88	
Sullivan, M. H.,	10.00	
Sylvia, Dr. M. V.,	8.00	
Thompson, Samuel,	18.00	
Tillinghast, W. A.,	162.84	
West, W. R.,	5.10	
Wright Drug Co.,	2.50	$14,181.96
To transfer to balance,		948.99
		$15,130.95

Cr.

By special appropriation,	$15,000.00	
Cash receipts, as per Treasurer's report,	130.95	$15,130.95

SEWERS—SHAWMUT AVENUE, NO. 3.

Dr.

Pay-rolls,	$932.31	
Drake, A. B.,	56.75	
General Sewers,	186.11	
Paine & Bro., S. S.,	6.60	
Richards, George D.,	7.10	
Street Department,	136.48	$1,325.35

Cr.

Jan. 4, 1892. By balance,	$47.65	
Special appropriations,	1,277.35	
Cash receipts, as per Treasurer's report,	.35	$1,325.35

SEWERS—SOUTH FIRST STREET, NO. 2.

Dr.

Pay-rolls,	$72.34	
Drake, A. B.,	10.00	
General Sewers,	64.45	
Street Department,	10.02	$156.81
To transfer to balance,		193.19
		$350.00

Cr.

By special appropriation,	$350.00

SEWERS—SOUTH FIRST STREET, NO. 4.

Dr.

Pay-rolls,	$164.63	
Drake, A. B.,	18.00	
General Sewers,	105.12	
Street Department,	10.42	$298.17
To transfer to balance,		151.83
		$450.00

Cr.

By special appropriation,	$450.00

SEWERS—SOUTH FRONT STREET, NO. 5.

Dr.

Pay-rolls,	$351.65	
Drake, A. B.,	6.00	
Paine & Bro., S. S.,	11.10	
General Sewers,	111.06	
Street Department,	102.51	$582.32
To transfer to balance,		617.68
		$1,200.00

Cr.

By special appropriation,	$1,200.00

SEWERS—SPRUCE STREET.

Dr.

Pay-rolls,	$80.37	
Drake, A. B.,	12.00	
General Sewers,	117.28	
Street Department,	9.04	$218.69
To transfer to balance,		31.31
		$250.00

Cr.

By special appropriation,	$250.00

SEWERS—WELD STREET, NO. 3.

Dr.

Pay-rolls,	$1,349.22	
Drake, A. B.,	24.00	
Greene & Wood,	125.22	
Paine & Bro., S. S.,	32.60	
General Sewers,	351.08	
Street Department,	120.37	$2,002.49

Cr.

By special appropriation,	$2,000.00	
By transfer to balance,	2.49	$2,002.49

SEWERS—WEST FRENCH AVENUE.

Dr.

Pay-rolls,	$173.67	
Drake, A. B.,	15.00	
Greene & Wood,	1.68	
Hayden, W. G.,	4.94	
General Sewers,	133.13	
Street Department,	27.06	$355.48
To transfer to balance,		322.72
		$678.20

Cr.

By special appropriation,	$675.00	
Cash receipts, as per Treasurer's report,	3.20	$678.20

SINKING FUNDS.

Dr.

To paid Sinking Fund Commissioners,	$43,920.00

Cr.

By appropriation,	$43,920.00

TEMPORARY LOAN.

Dr.

To paid loans,	$604,615.63	
Balance,	179,864.45	$784,480.08

Cr.

Jan. 4, 1892. By balance,	$142,500.00	
Cash receipts, as per Treasurer's report,	641,980.08	$784,480.08

Cr.

Jan. 2, 1893. By balance,	$179,864.45

TRUST FUNDS.

Cr.

By Sylvia Ann Howland Free Public Library Fund:	
One-half of the bequest of Sylvia Ann Howland for the support of Liberal Education and Free Public Library,	$50,000.00
By Sylvia Ann Howland Educational Fund:	
One-half of the bequest of Sylvia Ann Howland for the support of Liberal Education and Free Public Library,	50,000.00
By George Howland, Jr., Fund:	
Donation to Free Public Library,	1,600.00
By Charles W. Morgan Fund:	
Bequest to Free Public Library,	1,000.00
By Oliver Crocker Fund:	
Bequest to Free Public Library,	1,000.00
By James B. Congdon Fund:	
Donation to Free Public Library,	500.00
By Jonathan Bourne Prize Fund:	
Donation to School Committee,	1,000.00
By George O. Crocker Fund:	
Bequest to Free Public Library,	10,000.00
By Elizabeth T. Wood:	
Bequest to Free Public Library,	2,000.00
	$117,100.00

UNAPPROPRIATED FUNDS.

Dr.

To transfers to:		
Appropriations, Special, 1891,	$10,871.10	
Fire Department,	1,400.00	
Incidentals,	7,694.00	
Lighting the Streets,	650.00	
Police Department,	4,200.00	
Printing, Binding, and Stationery,	650.00	
Repairs of City Property,	850.00	
Sewers, General Account,	1,158.11	$27,473.21
Jan. 2, 1893. To balance,		71,440.06
		$98,913.27

Cr.

By transfer from Parks Fund,	$8,100.00	
Cash receipts, as per Treasurer's report,	90,813.29	$98,913.27

Cr.

Jan. 2, 1893. By balance,	$71,440.06

BALANCE OF PUBLIC PROPERTY.

Dr.

To bonds issued,	$150,000.00	
Jan. 2, 1893. To balance,	1,102,687.77	$1,252,687.77

Cr.

Jan. 4, 1892. By balance,	$1,023,786.15	
By bonds paid,	40,000.00	
Commissioners of Sinking Funds,	52,338.62	
Increase in valuation,	136,563.00	$1,252,687.77

Cr.

Jan. 2, 1893. By balance,	$1,102,687.77

PUBLIC PROPERTY.

(OTHER THAN WATER WORKS.)

Dr.

Jan. 4, 1892. To balance,	$1,143,800.00	
To increase in valuation over 1891,	136,563.00	$1,280,363.00

Cr.

Jan. 2, 1893. By balance,	$1,280,363.00

Dr.

1893, Jan. 2. To balance,	$1,280,363.00

SINKING FUND COMMISSIONERS.

Dr.

1892, Jan. 4. To balance,	$155,986.15	
To increase in hands of Commissioners over 1891,	52,338.62	$208,324.77

Cr.

Jan. 2, 1893. By balance,	$208,324.77

Dr.

Jan. 3, 1893. To balance,	$208,324.77

BONDS.

Dr.

To bonds paid,	$40,000.00	
Jan. 2, 1893. To balance,	1,486,000.00	$1,526,000.00

Cr.

Jan. 4, 1892. By balance,	$1,376,000.00	
Bonds issued,	150,000.00	$1,526,000.00

Cr.

Jan. 2, 1893. By balance,	$1,486,000.00

NEW BEDFORD WATER WORKS.

(AS PUBLIC PROPERTY.)

Dr.

Jan. 2, 1893. To valuation of works,	$1,200,000.00

BONDS OF THE CITY OF NEW BEDFORD.

TITLES, RATES, AMOUNTS DUE ANNUALLY, AND TOTALS.

Due.	Water 7s.	Water 6s.	Water 5s.	Water 4s.	Improvement 6s.	Improvement 4s.	Improvement 3½s.	Sewer 4s.	Sewer 3½s.	Park Loan 4s.	Totals.
1893,		$20,000			$13,000						$33,000
1894,		20,000		$100,000	10,000						130,000
1895,		20,000			10,000		$80,000				110,000
1896,		20,000			10,000		25,000				55,000
1897,		20,000			10,000		35,000				65,000
1898,		20,000			10,000	$15,000					45,000
1899,		20,000			10,000	62,000					92,000
1900,	$10,000		$20,000		10,000	25,000					65,000
1901,	10,000		20,000		10,000	73,000					113,000
1902,	10,000		20,000		10,000	50,000					90,000
1903,	10,000		20,000		10,000						40,000
1904,	10,000		20,000		10,000						40,000
1905,	10,000	20,000			10,000						40,000
1906,	10,000	20,000			10,000				$60,000		100,000
1907,	10,000	20,000			10,000				15,000		55,000
1908,	10,000	20,000			10,000			$35,000			75,000
1909,	10,000	20,000			12,000			43,000			85,000
1910,					28,000			48,000			76,000
1911,								57,000			57,000
1912.								100,000			100,000
1918,				20,000							20,000
1942,										$100,000	100,000
											$1,586,000

INTEREST PAYABLE IN 1893 ON PRESENT DEBT.

On $100,000	Water Bonds, at	7	per cent.,	$7,000
240,000	" "	6	"	14,400
100,000	" "	5	"	5,000
120,000	" "	4	"	4,800
203,000	Improvements, at	6	"	12,180
225,000	"	4	"	9,000
140,000	"	3½	"	4,900
283,000	Sewer Bonds, at	4	"	11,320
75,000	" "	3½	"	2,625
100,000	Park Loan, at	4	"	4,000
$1,586,000				$75,225

THE FOLLOWING TABLE SHOWS THE AMOUNT OF TAXES LEVIED IN THIS CITY SINCE 1872, AND THE RATE PER THOUSAND, FOR STATE, COUNTY, AND CITY PURPOSES; ALSO THE NUMBER OF POLLS.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1873,	$11,125,700	$14,114,364.20	$36,315	$23,679.57	$349,000	$11,454.46	5,780	$16.20
1874,	11,665,400	13,846,904.95	32,280	27,874.24	354,000	11,005.10	5,930	16.20
1875,	11,946,600	14,428,674.00	32,280	28,415.48	383,000	17,136.07	6,226	17.00
1876,	12,411,200	14,339,002.00	26,244	23,859.86	387,000	20,251.49	6,651	16.60
1877,	12,609,200	13,524,097.00	21,870	23,859.86	436,200	17,273.46	6,562	18.60
1878,	12,808,700	13,137,011.20	14,580	25,249.76	371,500	17,259.61	6,729	16.00
1879,	12,898,300	12,874,418.00	7,290	25,666.72	386,000	17,497.36	6,891	16.40
1880,	13,138,400	13,137,519.00	21,870	28,377.03	361,250	15,080.89	7,028	15.70
1881,	13,505,400	13,699,922.00	21,870	26,871.30	437,300	16,084.49	7,025	18.00
1882,	14,138,300	13,974,587.00	29,160	25,689.88	434,200	17,605.64	7,340	17.50
1883,	15,109,300	15,180,305.00	25,770	29,468.95	452,400	16,614.41	7,694	16.80
1884,	15,635,900	15,718,182.00	34,360	26,668.72	462,700	13,031.04	8,141	16.60
1885,	16,293,800	15,104,090.00	25,770	27,735.50	457,950	17,028.11	8,349	16.30
1886,	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887,	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40
1888,	18,023,700	15,430,647.00	40,522½	41,274.10	486,411	19,364.29	9,424	17.00
1889,	18,928,800	15,718,866.00	34,700	51,476.17	508,600	17,642.91	9,972	17.10
1890,	20,041,700	16,829,154.00	30,362½	50,632.30	519,300	22,120.12	10,710	16.30
1891,	20,959,300	14,979,600.00	26,025	47,819.40	550,200	26,134.37	11,160	16.30
1892,	22,094,300	15,511,800.00	31,377	51,410.26	606,700	27,976.39	11,861	17.30

Average tax rate for 20 years, $16.765.

CITY OF NEW BEDFORD,
IN COMMITTEE, August 21, 1893.

The sub-committee appointed to appraise the city property and prepare a schedule of the same, have attended to that duty, and submit the following report, viz.:

POOR DEPARTMENT:		
Almshouse and out-buildings,	$26,000	
Farm, containing 70 acres,	14,000	
Furniture in almshouse,	2,700	
Farming and mechanics' tools,	450	
Tedders, horse-rake, manure-spreader, etc.,	435	
Carts, gears, and lumber wagons, etc.,	1,250	
Ambulance,	250	
Horses, oxen, cows, hogs, and poultry,	1,742	
Hay, grain, vegetables, pork, etc.,	3,034	
Wood and coal shed, corner North Second and North streets,	3,000	
Wood and coal in shed,	670	$53,531
BOARD OF HEALTH:		
Small pox hospital,	$1,000	
Old almshouse and out-buildings,	1,500	
Furniture in hospital,	75	2,575
HIGHWAYS AND STREETS DEPARTMENT:		
Sundries as per Superintendent's Report,		35,041
SEWER DEPARTMENT:		
Sundries, as per Superintendent's Report,		14,966
STREET LIGHT DEPARTMENT:		
Gas and naphtha lamps, posts, and lanterns,	$3,750	
Two houses for oil,	300	
Tools for Inspector of Petroleum,	50	4,100
PUBLIC BUILDINGS, LAND, ETC.:		
City Hall and lot,	$70,000	
City Library building and lot,	75,000	
City Common,	50,000	
Rural cemetery,	20,000	
Oak Grove cemetery,	15,000	
Pine Grove cemetery,	800	

Central police station and lot,	$18,000	
Willis street police station and lot,	2,500	
West police station,	300	
South police station,	250	
Police station and lot corner South Water and Blackmer streets,	18,700	
Police station and lot corner Bowditch and Weld streets,	17,500	
Police signal barn and lot,	6,500	
Police telegraph signal system, including horses, harnesses, wagons, and apparatus,	17,600	
Volumes in City Library,	49,000	
Land on Clarks Point,	200	
South pound lot,	200	
Ward house and lot, Fifth ward,	1,400	
Ward house and lot, Sixth ward,	1,600	
Standard weights and measures,	300	
Surveying instruments,	800	
Two brass field pieces, muskets, etc.,	1,300	
New city stable lot and buildings,	46,000	
Brooklawn park,	30,000.00	
West end park,	34,000.00	
Grove school park,	10,500	
Building and lot corner of High and Foster streets,	2,000	
Arnold street lot and building,	900	$490,350

School Department:

Acushnet school house and lot,	$7,500	
Acushnet avenue "	25,000	
Cannonville "	1,500	
Cedar street "	6,500	
Cedar Grove street "	37,500	
Clarks Point "	800	
Dartmouth street "	15,500	
Fifth street "	50,000	
High school "	127,000	
Kempton street "	23,000	
Linden street "	2,500	
Maxfield street "	20,000	
Merrimac street "	18,000	
Middle street "	30,000	
North (Tobey road) "	2,000	
Parker street "	50,000	
Plainville "	1,000	

Rockdale school house and lot,	$1,200	
William street "	5,000	
Thompson street "	36,000	
Harrington "	53,000	
Division street "	30,000	
Truant school house,	1,700	
Apparatus and furniture in school houses,	45,000	$589,700
FIRE DEPARTMENT:		
Engine house and lot, Acushnet,	$1,200	
" Hillman street,	12,000	
" Purchase street, No. 1,	12,000	
" Purchase street, No. 2,	12,000	
" Fourth street,	13,000	
" Bedford street,	13,000	
" Durfee street,	15,000	
Steam fire engine, No. 1,	3,000	
" No. 2,	3,000	
" No. 4,	3,000	
" No. 5,	1,000	
" No. 6,	3,000	
" No. 7,	3,000	
" No. 2 (old),	1,000	
Eight hose carriages,	3,200	
Hand engine, No. 9,	500	
Hayes Truck, No. 1,	3,000	
Ryan truck, No. 2,	1,200	
Hayes truck, No. 3,	3,000	
12,000 feet of hose,	6,000	
Thirty horses and harnesses,	6,000	
Nine wagons,	2,700	
Fire alarm telegraph, including bells, strikers, etc.,	20,000	
Sundries,	2,500	143,300
		$1,333,563
NEW BEDFORD WATER WORKS,		1,200,000
		$2,533,563

RECAPITULATION.

Poor Department,	$53,531	
Board of Health,	2,575	
Highways and Streets Department,	35,041	
Sewer Department,	14,966	
Street Lights Department,	4,100	
Public Buildings, Land, etc.,	490,350	
School Department,	589,700	
Fire Department,	143,300	
New Bedford Water Works,	1,200,000	$2,533,563

Respectfully submitted.

EDGAR H. GAMMONS,
J. McFARLIN,
CLARENCE R. SHERMAN,
} Committee.

AUDITOR'S TRIAL BALANCE, JAN. 2, 1893.

Dr.

N. B. Water Works, as Public Property,	$1,200,000.00	
Public Property, other than Water Works,	1,280,363.00	
Sinking Fund Commissioners,	208.324.77	
Appropriations, General, 1892,	21,248.31	
" " 1891,	9,763.26	
" " 1890,	16,192.82	
" " 1889,	13,798.13	
" " 1888,	2,347.78	
" Special, 1892,	344,633.24	
Com. of Massachusetts, Chap. 279,	1,829.97	
" " " 301,	7,281.05	
" " " 447,	233.00	
Court Judgments,	10,397.80	
Permanent debt,	1,810.97	
Real Estate Tax Account,	479.34	
City Treasurer, Balance of Cash,	16,481.73	$3,135,185.17

Cr.

Trust Funds,	$117,100.00	
Bonds,	1,486,000.00	
Balance of Public Property,	1,102,687.77	
Cedar Grove Street School House Addition,	8,816.95	
Cemeteries,	1,350.81	
Cemeteries—Oak Grove Tomb.	3,453.15	
Cemeteries Funds,	21,644.93	
City Stable Tool House and Workshop,	815.64	
Engine House No. 5, Alterations,	6,901.91	
Free Public Library, Trustees,	3,598.36	
Free Public Library, Dog Fund,	693.42	
Kempton Street School House and Lot,	38,575.00	
N. B. School Committee (Howland Fund),	1,811.98	
N. B. School Committee (Jona. Bourne Prize Fund),	30.00	
N. B. Water Works,	41,063.33	
Parks Fund,	27,135.55	
Parks and Squares,	7,318.68	
Police Station and Ward Room, South Water and Blackmer streets,	2,892.97	
Public Schools, Dog Fund,	3,195.04	
Sewers, Coffin Avenue,	7,648.78	
" Myrtle Street, No. 1,	750.00	
" Myrtle Street, No. 2,	396.39	
Temporary Loan,	179,864.45	
Unappropriated Funds,	71,440.06	$3,135,185.17

We have examined the foregoing and find it correct.

HENRY H. CRAPO,
SAML. C. HART,
LEM. LeB. HOLMES,

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Auditor and Treasurer.

Approved.

OLIVER W. COBB,
FRANK C. BARROWS,
H. W. TABOR,
CHARLES H. VINAL,
L. T. SHURTLEFF,
} Committee of Audit.

ANNUAL REPORT

OF THE

COLLECTOR OF TAXES

FOR

THE YEAR ENDING JANUARY 2, 1893.

In Board of Aldermen,
February 23, 1893.

Received and ordered printed in the City Documents, and sent down for concurrence.

DANIEL B. LEONARD,
City Clerk.

In Common Council,
2d mo. 23, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

Statement of the Collector of Taxes.

1892.

City of New Bedford,
Collector's Office, January 2, 1893.

To the City Council:

Gentlemen, — I herewith respectfully present to you my account as Collector of Taxes of the City of New Bedford, embracing a statement in full of the various transactions in this department for the financial year just closed.

COLLECTOR'S STATEMENT FROM 1886 TO 1891, INCLUSIVE.

Financial Year.	Unpaid Jan. 5, 1892.	Paid and Remitted.	Unpaid Jan. 2, 1893.
1886,	$5,465.49		$5,465.49
1887,	7,749.49		7,749.49
1888,	7,427.93	$68.00	7,359.93
1889,	8,613.55	364.66	8,248.89
1890,	11,233.70	3,711.72	7,521.98
1891,	21,997.79	7,910.20	14,087.59
	$62,487.95	$12,054.58	$50,433.37

COLLECTOR'S STATEMENT.

TAXES OF 1892.

CHARGES.

Amount of tax bills,		$720,464.16
State tax,	$31,377.50	
County tax,	54,410.26	
City tax,	606,700.00	
Overlay,	27,976.40	$720,464.16

PAYMENTS.

State tax,	$31,377.50	
County tax,	54,410.26	
City Treasurer,	575,451.69	
Discount,	34,474.32	
Abatements by Assessors,	939.79	
Balance uncollected,	23,810.60	$720,464.16

About $96\frac{7}{10}$ per cent. of the taxes of 1892 were collected to this date. Of the taxes of 1891 and previous years, the collections amounted to $12,054.58.

Our portion of the State and county taxes for 1892, amounting to $85,787.76, was more than one-eighth of our whole levy, adding to our rate $2.10 per one thousand dollars.

The receipts from the Commonwealth of Massachusetts for corporation and other taxes were as follows:

Corporation tax,	$67,109.14
National bank tax,	3,182.02
Tax on ships in foreign trade,	1,244.08
	$71,535.24

By an order of the City Council passed early in the year, $10,000 of the amount last named was applied to the abatement of taxes of 1892. The balance was placed to the credit of Unappropriated Funds, as shown by the report of the City Treasurer, which follows.

Collections were very satisfactory, being somewhat in excess of 1891. The taxes now remaining unpaid are the ones that give us the most trouble and anxiety. Poll taxes particularly are now the hardest to collect, since the law requires no payment of a tax as a prerequisite to vote. The collections this year, however, were but a little less than in former years.

Respectfully submitted.

JAMES H. HATHAWAY,
Collector of Taxes.

ANNUAL REPORT

OF THE

CITY TREASURER

For the year ending Jan. 2, 1893.

In Board of Aldermen,
February 23, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
2 mo. 23, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

Statement of the City Treasurer,

JANUARY 2, 1893.

CITY OF NEW BEDFORD,
TREASURER'S OFFICE, January 2, 1893.

To the City Council:

GENTLEMEN, — I herewith present to you, as required by the ordinances of the city, my report as City Treasurer for the financial year ending at this date.

Very respectfully,

JAMES H. HATHAWAY,
City Treasurer.

PAYMENTS INTO THE TREASURY.

The balance in the treasury at the close of the last financial year, and the receipts during the year ending at this date, are set forth in the statements that follow, viz. :

Balance, January 4, 1892,		$15,112.12
RECEIPTS FROM THE COLLECTOR OF TAXES.		
1888,	$68.00	
1889,	364.66	
1890,	3,711.42	
1891,	7,910.20	
1892,	575,451.69	587,505.97

APPROPRIATIONS, GENERAL, 1889.

Of State Treasurer, corporation tax,	$1,594.01

APPROPRIATIONS, GENERAL, 1892.

Of State Treasurer, part of corporation taxes for abatement,	10,000.00

APPROPRIATIONS, SPECIAL, 1891.

From Improvement Bonds issued,	$50,000.00	
From Sewer Bonds issued,	100,000.00	150,000.00

APPROPRIATIONS, SPECIAL, 1892.

From Park Loan bonds issued,	100,000.00

CEMETERIES.

Receipts from sale of lots and other sources:

Oak Grove, sale and care of lots,	$3,225.67	
Pine Grove, " "	15.00	
Rural, " "	3,075.24	
Sundry persons, care of lots,	73.80	
Superintendent, moving water pipe,	10.95	
E. T. Wilson, sundry charges,	203.00	6,603.66

CEMETERY FUNDS.

Amounts received from sundry persons for permanent care of lots:

Mrs. James P. Baxter, Rural,	$100.00
Elisha Chase, Pine Grove,	50.00
Nathan Chase, Rural,	200.00
John and Orlando Corey, Rural,	100.00
Clarissa Coxen, Oak Grove,	60.00
Richard Curtis, Oak Grove,	100.00
Elisha Duffee, Rural,	100.00
William Eddy, Oak Grove,	100.00
John Eldridge, Rural,	100.00
Elisha Gibbs, Rural,	150.00
Lawrence Grinnell, Oak Grove,	100.00
William B. Hafford, Oak Grove,	100.00
Margaret Hall, Oak Grove,	75.00
Luther G. Hewins, Rural,	100.00

Jethro Hillman, Rural,	$100.00	
William Howe, Rural,	100.00	
Benjamin F. Howland, Rural,	100.00	
Matthew and George Howland, Friends,	100.00	
Prudence H. Howland, Rural,	50.00	
Eben J. Kempton, Rural,	100.00	
Tillinghast Kirby, Oak Grove,	100.00	
Joseph Lythgoe, Oak Grove,	100.00	
Susan P. Mayhew, Oak Grove,	100.00	
James Munroe, Rural,	100.00	
Nathaniel Nelson, Rural,	100.00	
Edward F. Nicholson, Rural,	50.00	
Obed Nye, Pine Grove,	100.00	
Frederick Otto, Oak Grove,	100.00	
Amy A. S. Peirce, Rural,	50.00	
Mary M. Peirce, Oak Grove,	100.00	
Abby J. Potter, Oak Grove,	100.00	
Catherine Sherman, Rural,	50.00	
Phebe A. Simmons, Oak Grove,	50.00	
Ann E. Sisson, Oak Grove,	50.00	
Levi H. Sturtevant, Oak Grove,	35.00	
C. L. Swan, Rural,	100.00	
Adam L. Tripp, Rural,	100.00	
C. F. Tripp and J. W. Cornell, Oak Grove,	100.00	
William H. Wilber, Oak Grove,	100.00	
James Wheaton, Oak Grove,	60.00	
Thomas H. Whiteside, Oak Grove,	100.00	
Elizabeth H. Woodyear, Rural,	150.00	
Elizabeth T. Wood, Rural,	1,000.00	
W. A. Wood, Rural,	100.00	$4,980.00

COMMONWEALTH OF MASSACHUSETTS.

MILITARY AID UNDER CHAPTER 279, LAWS OF 1889.

Of State Treasurer, one-half of the disbursements to January 1, 1891,	2,322.00

COMMONWEALTH OF MASSACHUSETTS.

STATE AID UNDER CHAPTER 301, LAWS OF 1889.

Of State Treasurer, advances of 1890,	$6,091.00	
Amounts uncalled for,	72.00	6,163.00

ENGINEERING DEPARTMENT.

Amounts received from sundry sources, as follows:

Albert B. Drake, labor,	$93.90	
Antone Frates, labor,	2.00	
L. J. Hathaway, labor,	27.98	
Highway department,	240.46	
Parks and Squares,	24.50	
Sewers, General Account,	267.96	$656.80

FIRE DEPARTMENT.

Received from sundry sources, as follows:

George L. Brownell, bill audited second time,	$3.84	
E. H. Gammons, running gear,	50.00	
Hart & Akin, sale of horses,	215.00	
H. W. Kenyon, sale of horse,	50.00	
Frederick Macy, received for pumping,	15.74	
sale of horse,	75.00	
sale of old material,	84.11	
Police Department,	783.99	
Poor Department,	378.80	
R. T. Refuse, bill audited second time,	2.45	
Bark Rousseau, pumping,	21.82	
W. N. Swift, straw,	17.85	1,698.60

FREE PUBLIC LIBRARY—DOG FUND.

One-half of the receipts from the County of Bristol for dog licenses,	1,274.42

FREE PUBLIC LIBRARY—TRUSTEES.

Income from sundry bequests and gifts:

Sylvia Ann Howland, bequest,	$3,000.00	
George Howland, Jr., gift,	96.00	
Charles W. Morgan, bequest,	60.00	
Oliver Crocker, bequest,	60.00	
James B. Congdon, gift,	30.00	
George O. Crocker, bequest,	400.00	3,646.00

FREE PUBLIC LIBRARY—TRUST FUND.

Of Elizabeth T. Wood, bequest to be known as the Charles L. Wood Library Fund,	2,000.00

HIGHWAYS AND STREETS.

The receipts were as follows:

E. Anthony & Sons,	$5.28
Abraham Akin, drain,	2.20
A. Davis Ashley, stock and labor,	38.51
John Andrews, drain,	9.54
Charles O. Andrews,	11.95
F. A. F. Adams, repairing drain,	.90
D. B. Allen, trimming trees,	1.00
Seth Alden, street dressing,	3.49
Gilbert Allen, drain and paving,	97.66
H. M. Atwood, drain,	44.62
Manuel Azevedo, concrete,	5.86
Frederick Allen, carting,	.56
Robert Allen, drain,	26.13
Bernardo Avila, drain,	16.61
Joshua Ainsworth, concrete,	13.93
Benjamin Almy, flagging,	.50
J. A. P. Allen, drain,	1.50
E. P. Abbe, carting,	1.07
Robert Arnett, Jr., drain,	26.40
P. F. Bannon, drain,	11.84
Manuel Braga, drain,	6.55
Mrs. Edward Bagley, drain,	8.88
E. C. Brownell, drain,	2.85
George Barnes, labor, etc.,	24.60
J. W. Bates, concrete, labor, etc.,	86.24
R. G. Bennett, carting, etc.,	1.04
John Bertram, concrete, etc.,	62.83
Bowker & Tripp, stock and labor,	6.66
W. J. Brown, stock and labor,	14.60
B. F. Brownell, labor, etc.,	4.64
Standish Bourne,	16.99
Patrick Brown, carting,	1.93
James Bailey, dressing,	2.02
Brownell & Wood,	31.03
Mrs. Charles Briggs, labor,	2.21
Clovis Bessette, drain,	22.80
B. C. Blossom, dressing,	12.62
Frank Bassett, clearing drain,	2.15
D. W. Baker, entering sewer,	.50
Jason L. Ballou, drain,	32.33
Harrison T. Borden, drain,	9.07
S. A. Brownell, drain,	8.55

Wm. S. Brown, sand,	$.60
Hiram Boomer, Jr., drain,	3.55
W. S. Brown, stock,	.50
George E. Briggs, drain,	13.74
Clovis Bessette, drain,	43.65
E. P. Briggs, carting,	2.32
A. Brightman, clearing drain,	7.45
P. S. Borden, flagging and carting,	3.53
B. S. Bartlett, drain,	10.35
D. S. Bliss, carting dirt,	.33
A. M. Brownell, drain,	35.20
W. E. Brownell, drain,	9.75
Wm. L. Bradford, drain,	27.64
Briggs & Lawrence, carting,	1.07
Clovis Bessette, drain,	47.57
W. D. Blanchard, labor on steam drill,	3.11
Robert T. Barker, trimming trees,	3.00
Bourne S. Bartlett, drain,	13.55
J. Augustus Brownell, clearing drain,	1.10
Edwin Barlow, drain,	15.75
I. Benjamin estate, clearing drain,	1.50
Margaret Barlow, screenings,	2.33
Jason L. Ballou, drain,	13.23
John Bowen, drain,	4.25
W. E. Bates, drain,	32.94
George P. Bailey,	40.42
J. A. Beauvais, carting,	.89
George Brownell, trimming trees and carting,	2.47
Joseph Brownell estate, drain,	1.05
John R. Bartlett, trimming trees,	.28
Simon Bousquet, carting,	.50
Dennis Beauregard, drain,	17.80
George H. Brayton, driveway,	.80
Joshua B. Bowman, drain,	.67
Annie Bacon, drain,	7.95
Samuel Bentley, entering drain,	.50
Bennett Manufacturing Co., concrete,	232.84
George C. Bliss, carting,	1.50
Frank Bonneau, concrete,	12.10
W. E. Brownell, concrete,	50.69
Thomas Bliss, drain,	9.65
C. H. Brook estate, carting,	1.75
Amy Baker, trimming trees,	1.60
James Burke, drain,	33.20
John Bertram, crusher stone,	31.32

George E. Briggs, drain and concrete,	$89.43
George A. Brownell, drain,	20.70
H. N. Brock, drain,	13.60
Michael Brennan, concrete,	10.48
George Brownell, carting,	1.11
F. C. Bliss, concrete,	43.28
I. H. Bartlett, Jr., estate,	7.20
W. H. Bartlett, trimming trees,	2.89
E. P. Briggs, trimming trees,	1.30
W. W. Crapo, carting,	1.44
Lucy A. Covill,	1.98
Robert Charnock, dirt,	.44
H. D. and A. B. Crapo, drain,	.90
D. H. Cook, drain,	12.35
Citizens National Bank, stock and labor,	8.15
R. C. P. Coggeshall, carting,	2.89
Cook & Smith, carting, etc.,	46.02
J. W. Cornell, dirt, etc.,	41.57
J. Miller Cranston, drain,	2.03
S. C. Caldwell, screenings,	1.61
C. L. Church, trimming trees,	.50
J. W. Cornell, labor, etc.,	2.40
J. W. Cornell, repairing drain,	6.61
Coggeshall, Maxfield & Co., repairing drain,	6.96
Robert Cook, feed box and hay rack,	1.68
Mrs. L. C. Church, carting,	.33
Considine Bros., clearing drain,	5.73
Mrs. Stephen Cornell, clearing drain,	1.60
Allen C. Clagg, clearing drain,	6.85
R. S. Cornell, drain,	21.09
M. S. Corey, drain,	12.39
W. H. Cowing, drain,	10.15
Israel Corriere, drain,	11.75
Joseph W. Chadwick, drain,	21.95
W. D. Cotter, drain,	17.15
Coggeshall, Maxfield & Co., drain,	3.85
James Cook, dressing,	10.70
T. S. Corson, amount overpaid, returned,	112.67
Mary Cleary, drain,	11.15
Mrs. B. F. Coombs, trimming trees,	.40
John S. Cook, drain,	16.54
Peter Crapo,	92.58
Coggeshall, Maxfield & Co., drain,	9.55
William D. Cotter, drain,	8.10
Terrence Clark, drain,	12.60

Patrick Cannavan, drain,	$3.02
Isaac H. Coe, drain,	15.45
H. M. Croteau, drain,	57.60
County of Bristol, macadam,	700.00
Pardon Cornell, drain,	17.15
Mrs. J. H. Clifford, paving,	13.99
John Counsell, drain,	12.88
Charles H. Cragen, labor,	11.12
William H. Carney, drain,	30.70
C. W. Clifford, agent,	.66
Cook & Smith, stock, etc.,	378.43
Cook & Smith, drain, etc.,	31.77
Mrs. J. H. Clifford, screenings,	5.54
William H. Caswell, drain,	11.35
W. H. Cobb, carting,	2.46
Coggeshall, Maxfield & Co., drain,	10.00
D. H. Cook, drain,	7.90
H. M. Croteau, drain,	24.10
A. A. Dunlap,	1.56
Henry L. Dunham,	.42
Mrs. A. D. Davenport, drain,	11.46
H. G. Dennis, dirt and carting,	1.11
Thomas Dutra, labor, etc.,	15.30
A. B. Drake, Supt., fees entering sewers,	100.00
D. B. Dyer, rent house, Kempton st.,	24.00
Mrs. Davis, trimming trees, etc.,	1.60
Benjamin Dawson, labor, drain,	18.37
James Diamond, drain,	10.34
E. E. Dalrymple, drain,	15.02
George Delano's Sons, fitting drain,	2.30
Alonzo Davenport, repairing drain,	2.50
Frederick Duchette, drain,	9.27
M. R. Dennis, cement,	.25
Dudley Davenport, carting,	.53
Mrs. J. C. Delano, trimming trees,	.80
George H. Dunbar, carting,	.67
William Deacon, drain,	16.30
Denison Bros., crosswalk,	8.28
Valariah Dennis, drain,	19.88
Mrs. J. C. Delano, screenings and carting,	49.61
James Delano, trimming trees,	1.75
A. B. Drake, Supt., sale of pipe,	3.15
Mrs. L. D. Davis, drain,	8.60
Benjamin Dawson, drain,	47.36
Town of Dartmouth,	48.00

J. B. Demoranville, trimming trees,	$6.00
Rose Duncan, drain,	9.45
J. Duranleau, drain,	16.65
A. B. Drake, drain,	26.37
A. DeMello, drain,	6.75
John Donovan, drain,	42.57
Timothy Dolan, drain,	13.20
Z. B. Davis, drain,	146.75
Abby L. Delano, trimming trees,	1.70
A. Dufresne, drain,	23.48
J. O. Douglass, drain,	8.80
J. F. Edgerton, drain,	12.27
Matthew Enos, drain,	2.00
Michael Englesbee, drains,	68.00
Bridget Enos, drain,	9.75
Bridget Enos, drain,	21.50
George England, drain,	13.60
Louis Fredette,	21.90
H. S. Francis, carting,	1.34
Mrs. Francis Fournier, labor,	2.40
Mrs. Francis Fournier, drain,	24.44
John Fredette, drain,	22.50
William Frates, old hoes,	.40
Joseph F. Francis, drain,	34.60
Edward H. Forbes,	2.26
Joseph Ferreira,	10.10
Mrs. Flynn, cutting trees,	5.40
I. P. Francis, drain,	3.80
Ezra Francis, trimming trees,	1.20
N. B. Five Cents Savings Bank, carting,	3.33
William B. Flagg,	6.24
J. F. Francis, drain,	126.47
I. P. Francis, drain,	5.35
J. M. Foster, drain,	2.10
I. P. Francis, drain,	5.00
John Francis, drain,	8.80
J. F. Gracia, pork,	13.38
James Gorham, old barrels,	1.88
John Gregory, drain,	24.38
Henry Gatie, drain,	75.99
Frank Gomes, cutting trees,	4.25
Antone Goyette, drain,	13.41
James Grundy, drain,	2.25
Henry Gatie, drain,	3.05
William A. Gifford, curbing,	1.00

George W. Gay, drain,	$9.90
William A. Gifford, flagging,	.75
John Gregory, drain,	38.30
W. H. H. Gibbs, flagging,	.70
Gifford & Co., carting,	.53
Frank Grenier, drain,	14.67
James Gray, trimming trees,	.40
Esther A. Gifford, trimming trees,	.75
C. A. Galligan, drain,	8.55
F. B. Greene, carting,	1.67
Mrs. Gifford, trimming trees,	1.00
Garfield & Proctor, gravel, etc.,	15.39
Joseph Greenwood, drain,	17.56
Peter Geotta, drain,	10.83
John J. Gonsalves, drain,	10.25
George W. Gay, flagging,	4.00
Joseph Gladu, drain,	5.25
C. H. Greene, drain,	20.00
J. H. Gero, dirt,	.50
F. J. Gildea, on account of drain,	10.00
J. E. Herman,	2.00
Fred. Heron,	6.00
H. A. Holcomb,	22.22
Margaret Howie,	10.80
Garry DeN. Hough, carting,	.56
D. W. Holmes, crusher stone,	1.05
C. H. Howland,	.75
J. L. Humphrey, dirt,	1.00
James Hargrave, drain,	12.65
Joseph Henriques et al., drain pipe, etc.,	9.61
Sarah Hope, stock and labor,	21.44
Hatch & Co.,	1.35
D. W. Holmes,	2.09
William Hanson, drain,	9.20
H. C. Hathaway, horse,	50.10
Mary Holland, labor,	11.54
D. W. Holmes, drain,	2.00
F. W. Hammond, paving,	6.36
E. R. Hathaway, dirt,	.80
Mrs. S. H. Hines, drain,	8.89
Sarah J. Holden, drain,	14.21
Thomas Hersom, street scrapings,	4.50
C. E. Hoard, street scrapings,	1.25
D. L. Hathaway, drain,	13.34
J. J. Hatch, drain,	11.64

H. E. Hicks, cutting trees,	$3.60
L. A. Hathaway, trimming trees,	.60
S. C. Howland, trimming trees,	1.20
D. Hill estate, drain,	7.35
John Hargrave, drain,	15.95
F. R. Hathaway, screenings,	5.96
F. B. Howland, carting dirt,	.33
W. M. Hall, drain,	3.73
H. G. Howland, screenings,	6.55
Hart & Akin, crusher stone,	17.87
S. C. Hart, use of hand pump,	7.00
Rachel Howland, carting,	1.64
Antone Hurd, drain,	10.83
Louise C. Howland, trimming trees,	.40
John Holland, buggy,	15.00
P. R. Herity, drain,	6.35
Frank H. Howland, drain,	1.50
Joseph Henriques, drain,	13.55
Edward S. Haskell, carting,	1.64
L. LeB. Holmes, dirt,	1.50
E. S. Haskell, dirt,	.53
Hiram E. Hall, dressing,	1.80
John J. Hicks, carting, etc.,	28.44
Mary Hughes, carting,	2.00
George E. Hatch, drain,	12.15
Jonathan Handy, trimming trees,	2.00
John F. Hatch, trimming trees,	4.20
Joseph Hutchinson, drain,	25.75
I. Higginson, drain,	1.70
Giles Hook, carting,	4.05
David Howland, carting,	2.55
Hart & Akin, stone,	1.49
F. R. Hadley, drain,	48.92
George E. Hatch, drain,	19.55
Mrs. Howland, trimming trees,	1.80
G. S. Homer, oil barrels,	.75
D. W. Holmes, drain,	2.00
P. R. Herity, drain,	19.35
Industrial Co-operative Association, concrete,	44.16
Jenney & Buffington, drain,	6.75
Jenney & Buffington, drain,	50.00
E. G. Jenney, carting,	1.33
William H. Johnson, screenings,	.32
Jenney & Buffington, stone and carting,	3.46
Jenney & Buffington, drain,	56.82

Edward Johnson, concrete,	$8.68
Mrs. E. C. Jones, carting,	2.22
G. M. Jennings, drain,	10.62
H. P. Jenney, cinders,	1.94
P. P. Jenney & Son, drain,	21.12
John Jenkins, street dressing,	8.51
Jenney & Buffington, shovels,	1.35
Jenney & Buffington, carting,	1.59
Jenney & Buffington, drains,	21.15
B. F. Jenney, carting,	.56
D. B. Kempton, dressing,	9.54
George Kirk, drain,	79.75
H. M. Knowlton, shovelling snow,	.56
Mrs. George W. King, labor, etc.,	11.30
O. S. Kelley Co., road roller,	300.00
J. P. Knowles, Jr., carting,	.56
Hugh Kane, drain,	10.70
Luke Kilcoin, drain,	25.08
E. J. Kempton, labor,	.25
D. M. Knowles, setting post,	.75
Andrew Knowles, screenings and carting,	3.11
Luke Kilcoin, drain,	29.84
O. S. Kelley Co., pop valve,	10.00
Sidney W. Knowles, carting,	.53
Mrs. Margaret Kay, drain,	15.30
Joseph P. Kennedy, driveway,	2.00
A. Knowles, drain,	1.05
Manuel King, Jr., drain,	2.45
Luke Kilcoin, drain,	17.60
Joshua Lewis,	19.57
Manuel F. Liete, drain,	10.80
John Larma, drain,	17.80
C. H. & H. A. Lawton, drain,	1.30
Joseph Lague, labor, etc.,	16.68
Warren Ladd, clearing drain,	2.60
Sarah Law, drain,	7.53
H. A. Lawton, carting,	1.00
Adale Lagasse, drain,	12.58
Philip Lowe, drain,	.95
Joseph Leheur, drain,	13.00
Louis Le Clair, drain,	11.96
Mary Leahy, drain,	8.50
Joseph Lague, drain,	117.66
Joseph Lague, drain,	12.59
Ansel Landers, trimming trees,	.40

Warren Ladd, trimming trees,	$.40
Sarah Law, drain,	3.20
L. M. Lafrance, driveway,	3.90
Joseph Liningstone, drain,	16.47
H. E. Luce, trimming trees,	2.00
Warren Ladd,	27.20
John Lincoln, concrete,	9.53
John C. Low, drain,	11.53
S. C. Lowe, drain,	11.93
Philip Lowe, drain,	7.95
Moise Le Beau, drain,	1.70
Joseph Lague, drain,	29.04
Thomas Luce, carting,	.53
C. H. Mosher, flagging,	.80
J. B. Marciel, pork,	36.92
Dora B. Minkler, dirt, labor, etc.,	74.03
John McLeod, dirt, etc.,	5.40
Stephen McNamara et al., drain,	15.48
D. Moncrieff et al., stock, labor, etc.,	26.95
James P. Macomber, carting,	.33
Antone J. Mederios, drain,	8.26
Andrew Magee, drain,	10.14
Charles H. Manchester, dressing,	5.67
Manual Mederios, labor and teaming,	26.99
Frank Monty, 29 loads of dirt,	14.50
Town of Mattapoisett, road roller,	600.00
M. F. Marshall, drain,	8.89
George J. Mason, screenings,	1.25
Antone Mayer, drain,	66.26
Patrick Mullins, drain,	13.59
Stephen McNamara,	3.00
Dennis McGoff, stock and teaming,	3.85
Antone Marcoux, drain,	11.24
Alonzo Mosher, hoes,	.35
Arthur Magnant, drain,	12.58
Andrew McGee, cinders,	.96
Timothy McCrohan, two drains,	28.58
Cyrille Mailloux, drain,	10.75
J. M. McLeod, drain,	11.35
C. H. Mosher, drain,	11.55
John J. Meaney, drain,	12.95
P. J. Mahoney, drain,	8.55
William J. Mills, drain,	2.45
John E. Mitchell, drain,	7.95
James McFarlin, cutting trees,	4.00

Antone Marcoux, drain,	$2.25
Arthur Macy, labor and carting,	2.94
J. L. G. Mason, drain,	3.30
Mrs. Joanna Merrill, drain,	9.95
C. H. Mosher, crusher stone,	.74
T. J. Meaney, drain,	10.15
Mrs. Francis Mallory, drain,	15.35
McDonald Brothers, concrete,	29.14
Arthur Magnant, drain,	25.10
L. S. Moore, Jr., carting,	2.00
Joseph C. Mayo, drain,	8.20
John McCullough, junk,	34.77
J. W. Murray, drain,	1.75
J. McCarthy, carting,	.56
Miller & Hook, drain,	24.78
Mrs. McNamara, carting,	.67
Timothy McCrohan, street dirt,	3.84
H. A. Miller, concrete,	13.54
Moynan & Co., carting,	.53
J. L. G. Mason, drain,	1.05
J. H. Mayo, drain,	23.65
Antone Neves, screenings,	1.42
George H. Nye,	.10
N. B. Gas & Edison Light Co., repairs,	50.33
L. Z. Normandin, concrete and labor,	25.83
Manuel Nunes, drain,	8.01
George Nelson, labor, teaming, etc.,	1.35
John Notter, drain,	8.80
William J. Norton, clearing drain,	.65
George Nelson, flagging,	.40
Bartholemi Noel, drain,	11.15
E. H. Norton, trimming trees,	4.00
George H. Nye, carting,	.67
W. F. Nye, oil barrels,	3.20
N. B. Gas & Edison Light Co., barrels,	115.58
N. B. Gas & Edison Light Co., barrels,	17.00
Dr. J. W. Owen, street scrapings,	9.00
John Oliver, drain,	4.37
Isabella Oliveira, drain,	16.27
Mrs. Thomas Otis, trimming trees,	.40
Patrick O'Brien, drain,	17.55
Alfred Owen, drain,	9.40
Dr. J. W. Owen, driveway,	3.53
F. W. Oesting, drains, etc.,	69.68
E. M. Peirce, carting,	.60

J. W. Potter,	$2.22
R. E. Pring,	11.05
E. L. Potter, street scrapings,	1.25
Ellery Peirce, street scrapings,	7.50
Albert Potter,	3.20
Perkins & Chase,	1.43
C. S. Paisler, setting curbing,	3.70
C. S. Paisler, stock,	34.60
C. S. Paisler, concrete and flagging,	25.62
C. S. Paisler, pipe,	116.56
Michael Phalon, drain,	16.53
H. A. Purrington, drain,	32.50
Frank Perry, drain,	7.42
A. D. Potter, carting,	.76
W. D. Pell, carting,	.53
Z. T. Peirce, street scrapings,	1.50
E. L. Potter, street scrapings,	4.00
A. J. Porter, drain,	8.80
E. F. Penney, cutting trees,	1.00
P. S. Pool, dressing,	2.20
F. T. Perry, carting,	.25
John H. Pollock, drain,	7.70
Otis N. Pierce, trimming trees,	1.00
Perkins & Chase, street dressing,	29.79
James Phelan, drain,	15.99
Howard Pittsley, old fence,	2.00
S. S. Paine & Bro., pipe,	26.52
Mr. Poisson, labor,	3.00
Otis N. Pierce, carting,	1.11
Pierce Powers, drain,	10.35
Frank Perry, drain,	63.99
William F. Potter, trimming trees,	1.20
N. Pickering, drain,	24.62
Lorenzo D. Poole, stock, etc.,	135.43
Pairpoint Mfg. Co., carting,	506.24
J. B. Phillips, agent, repairs to bridge,	22.22
Potomska Mills, labor, etc.,	12.00
S. S. Paine & Bro., labor, etc.,	2.20
E. L. Potter, concrete,	21.62
Mrs. Parker, carting,	.67
B. Penniman, trimming trees,	1.20
Perkins & Chase, crusher stone,	12.14
John C. Parker, concrete,	14.07
Ezra Quimby, drain,	3.95
John E. Quinn, drain,	.55

E. R. Roach,	$.91
D. A. Roy, drain,	3.25
M. O. Richardson estate, drain,	19.19
Samuel Ross, stock and labor,	12.34
Morgan Rotch, trimming trees,	1.80
Jose de S. Rosa, labor, etc.,	10.78
Rose Rogan, drain,	11.49
William G. Remington, drain,	14.68
Frank Rose, drain,	6.63
Martin Rogers, drain,	7.70
Mrs. P. Read, trimming trees,	.80
William S. Remington, cutting trees and carting,	8.43
Martha Russell, carting,	.33
A. Roy, driveway,	2.00
Joseph H. Rogers, rent,	10.55
Ella Ryder, clearing drain,	3.25
Mary J. Reed, drain,	14.15
Edgar C. Reynolds, drain,	25.20
Martin Rogers, drain,	5.90
Manuel Rogers, trimming trees,	.80
Abiathar Rogers, carting street horses,	1.10
Abiathar Rogers, street scrapings,	.75
Arthur Ricketson, drain,	2.20
Ruggles & Dexter, drain,	42.60
E. M. Rounds, drain,	15.80
Frank P. Rose, drains, etc.,	10.50
Rotch Spinning Corp., drain,	53.39
David Rose, labor,	1.40
N. B. S. Richmond, drain,	12.25
William J. Rotch, drain,	10.80
S. P. Richmond, flagging,	4.60
D. A. Roy, drain,	18.00
J. F. Riley, drain,	12.12
Joseph D. Roberts, drain,	10.36
A. B. Drake, Supt., screenings and carting,	11.31
M. A. F. Sylvia,	1.23
E. E. Simmons,	4.00
Frank B. Sistare,	43.25
William N. Swift, carting,	.53
Asa R. Sherman,	14.60
George Snedden, drain,	17.23
Frank B. Sistare,	35.64
Gilbert Stiles, dirt, etc.,	8.75
Emerson Smith, crusher stone,	3.51
F. H. Stone, dirt,	26.75

Frank Sylvia, error in pay-roll, Sept. 26, 1892,	$8.75
Joseph F. Sylvia, dirt,	34.56
Mary Stinson, drain,	31.75
Joseph Sorel, drain,	12.40
Michael Stevens, labor and teaming,	9.71
E. T. N. Swift, labor, etc.,	9.30
Henry Stevens, agent, repairing drain,	.65
A. C. Spooner, dirt,	3.63
Seraphina Pedro, drain,	8.17
Michael Shea, screenings,	.83
Manuel L. Sylvia, drain,	1.18
Jireh Swift, carting,	.53
J. C. Shaw, carting,	.56
Sarah Smith, drain,	14.58
Joseph Sylvia, street dressing,	7.90
E. Sullavou, street scrapings,	2.00
Thomas Stone, drain,	14.34
I. H. Shurtleff, trimming trees,	5.34
George Squires, drain,	9.85
Frank P. Sylvia, drain,	18.08
F. A. Sowle, drain,	7.95
F. A. Sowle, stock and labor,	1.25
Emerson Smith, drain,	10.15
Antone Sylvia, drain,	17.75
Patrick Sullivan, drain,	.60
Z. T. Spooner, drain,	17.18
J. L. Sherman, drain,	12.76
Marshall Sylvia, pipe,	4.80
N. P. Sowle, dirt,	6.13
W. F. Sturtevant, carting,	.67
J. B. Sullivan, drain,	11.41
Ellen M. Sherman, clearing drain,	1.60
L. Swift, rolling tennis court,	1.00
George T. Squires, drain,	27.95
E. E. Simmons, dressing,	4.59
William N. Swift, carting,	1.07
St. James church, carting,	3.33
T. J. Sylvia, drain,	11.15
Allen Smith, Jr., drain,	8.75
Ann Scott, trimming trees,	1.45
Roland Snow, carting,	.53
Ruth L. Smith, carting,	1.11
Richard Shaw, drain,	15.13
Edith A. Swan, drain,	10.15
Antone L. Souza, drains,	31.57

John Schoene, drain,	$14.95
Rotch Spinning Corp., drain,	42.65
George T. Squires, drain,	10.55
Manuel F. Sylvia, clearing drain,	1.75
Mrs. C. N. Swift, carting,	1.60
A. C. Spooner, fitting driveway,	3.94
A. G. Stanton, concrete,	13.27
T. J. Sylvia, drain,	19.75
Timothy J. Sullivan, drain,	14.75
J. B. Sherman, drain,	10.25
A. L. Sylvia, drain,	.53
J. B. Sullivan, screenings,	15.04
F. E. Sawin, fee entering drain,	.50
Dr. Sullivan, dirt,	1.00
F. B. Sistare, drain,	23.10
F. C. Swift, trimming trees,	3.20
W. C. N. Swift estate, drain,	5.35
A. A. Sylvia, concrete,	20.95
Manuel F. Sylvia, drain,	1.20
George T. Squires, drain,	8.90
F. A. Sowle, flagging,	1.50
Joseph M. Sylvia, pipe,	6.40
M. J. Shea, drain,	12.00
J. H. Sherman, trimming trees,	5.80
Cornelius Springer, concrete,	9.43
H. J. Seals, drain,	11.80
J. S. Souza, drain,	10.97
George T. Squires, drain,	12.30
J. B. Sullivan, drain,	45.15
James Slater, drain,	21.70
A. E. Swift, drain,	1.90
Sundry persons, dirt, stone, and carting,	48.40
R. A. Taber, chocks,	1.00
P. J. Tresham, pork,	11.10
Mrs. Thomas, carting,	.33
Francis Thorley,	2.26
E. Therrien, stock and labor,	60.06
Martha Turner, labor,	1.44
George Thomas, screenings,	7.12
Francis Thorley, clearing drain,	2.12
Tripp Bros., old cart tire,	1.15
Theodore Taylor, wheelbarrow,	.25
James Thorpe, drain,	17.88
J. T. Tillinghast, carting,	.53
H. H. Tillson, carting,	2.78

John Thuman, drain,	$9.19
Joseph M. Tripp, drain,	12.24
Jonathan Turner, drain,	100.46
Francis Thorley, drain,	61.47
T. B. Tripp, stock, labor, etc.,	1,214.75
Eliza Tripp, drain,	29.96
James Taylor, drain.	10.59
George S. Taber, dirt,	3.75
Mrs. W. H. Taylor, carting,	.53
R. A. Taber, drain and flagging,	3.75
Edwin Therrien, drain,	12.11
Abram Tetrault, drain,	14.95
Jane A. Thompson, drain,	2.00
Theodore F. Tillinghast, carting.	4.87
J. B. C. Tuell, trimming trees,	1.30
R. A. Taber, drain,	22.70
H. H. Tillson, trimming trees,	5.40
E. C. Taber, carting,	3.00
Mrs. Joseph Tillinghast, carting,	.53
Silas Taber, drain,	7.90
George E. Taber, street dirt,	2.25
Francis Thorley, drain,	24.10
E. G. Tilton, drain,	9.53
Robert Terry, carting,	.53
Union Street Railway Co., stock, etc.,	399.30
Union Street Railway Co., plowing,	196.11
Union Street Railway Co., labor, etc.,	43.20
Union Street Railway Co., paving,	31.19
Joseph Vera,	1.11
Viall & Cook, stock and labor,	3.45
Nicholas R. Vieira, drain,	7.80
A. J. Ventura, drain,	23.42
S. T. Viall, carting,	.67
Viall & Cook, drain and carting,	33.40
Francis Vera, drain,	1.95
Walter G. Viall, dirt,	.80
Viall & Cook, carting,	1.44
Patrick Welch,	11.35
Mrs. Amasa Whitney, dirt, etc.,	2.22
Wamsutta Club, carting,	10.50
B. C. Warren, drain,	11.55
David Warren,	2.10
Mrs. Amasa Whitney, stock and labor,	3.90
William Weeks, stock and labor,	9.79
William Watkins, drain,	22.15

Wood, Brightman & Co., labor, &c.,	$4.43
James A. Wood, shovelling snow,	8.70
Wamsutta Mills, drains,	77.35
Joseph Warren, stock, labor, etc.,	12.86
A. C. Wheaton, drain,	13.00
David M. Welch, drain,	11.12
Josiah Wood, clearing drain,	3.00
S. B. Wilber,	11.90
C. F. Wing, amount audited twice, returned,	1.50
P. H. Winterson, drain,	11.00
William Watling, drain,	6.50
Henry Whittaker, drain,	12.03
Wamsutta Mills, drain,	138.02
W. H. Waterman, drain,	2.45
J. H. Woods, stock, labor, etc.,	17.23
A. B. Wady, carting,	.33
John Wing, drain,	12.35
H. P. Willis, labor,	11.92
John Whitehead, agent, drain,	68.50
Joseph C. Warren, drain,	10.55
Joseph C. Warren, driveway and drain,	8.45
H. A. Wilcox, drain,	16.20
Wamsutta Mills, screenings,	1.30
Isaac Wordell, drain,	32.60
B. C. Ward, flagging,	1.33
Nathan Wheaton, drain,	14.95
Henry Whittaker, drain,	21.87
A. C. Wheaton, carting,	2.13
Charles H. Winslow, rent,	15.83
William Watling, drain,	10.75
William Woodhouse, dressing,	2.27
William Watling, drain,	12.40
John A. Wood, carting,	.53
William Welch, drain,	12.00
Mrs. J. G. Wilson, drain,	1.80
T. B. Wilcox, drain,	4.00
Wamsutta Mills, drain,	23.92
F. A. Washburn, dirt,	3.00
G. D. Watkins, trimming trees,	1.50
John Waldron, concrete,	9.37
S. B. Wilber, flagging, etc.,	6.31
E. B. Wood, trimming trees,	1.20
Mrs. William Wood, dressing,	1.19
H. B. Webber, drain,	10.65
W. H. Wrightington, carting,	.56

B. H. Waite, drain,	$34.15	
E. Whittaker, drain,	8.40	
William Watkins, drain,	10.90	
Frank Young, stock and labor,	3.39	
A. L. Zoeggle, labor,	5.87	$13,954.78
Board of Health,	$23.86	
Bridge,	2,846.11	
Engineering Department,	1,369.52	
Fire Department,	166.28	
Incidental Account,	561.09	
Parks and Squares,	885.93	
Permanent Improvement Account,	430.19	
Police Department,	2.50	
Poor Department,	469.20	
Repairs of City Property,	340.02	
Schools,—Repairs of Buildings,	497.09	
Sewers,—Beetle and Howard streets,	372.33	
Belleville avenue,	9.13	
Belleville avenue, 2,	206.29	
Belleville avenue, 3,	65.26	
Coggeshall street,	65.77	
Coggeshall street, 2,	17.30	
Cottage street, 4,	15.97	
Cove road,	5.72	
Cove street, 2,	44.45	
Court street, 3,	169.99	
Delano street, 2,	29.31	
Emerson street,	45.70	
Fair street,	16.77	
French avenue,	27.06	
General Account,	10,519.94	
Grape street extension,	1,740.53	
Harbor street,	18.83	
Hemlock street,	10.79	
Jenney street,	32.79	
Maxfield street, 4,	51.93	
Myrtle street,	69.95	
Myrtle street, 2,	10.88	
Nelson street,	73.24	
North Front street, 2,	30.15	
North Front street, 3,	209.05	
North Front street, 5,	36.69	
Orchard street,	560.37	
Orchard street, 4,	12.33	
Peckham street,	186.92	

Sawyer street,	$974.88	
Shawmut avenue, 3,	136.48	
South First street, 4,	10.42	
South Front street, 2,	10.02	
South Front street, 5,	65.82	
Spruce street,	9.04	
Weld street, 3,	120.37	
Water Works,	671.31	$24,245.57
		$38,200.35

INCIDENTALS.

Rachel G. Bliss, care of lot, Rural Cemetery,	$4.00	
M. H. Leonard, returned, second audit,	21.50	
Susan P. Mayhew, care of lot, Oak Grove cemetery,	6.00	31.50

NEW BEDFORD AND FAIRHAVEN BRIDGE.

Highways and Streets,	22.22

NEW BEDFORD SCHOOL COMMITTEE—JONATHAN BOURNE PRIZE FUND.

Income from educational fund to Jan. 1, 1893,	60.00

NEW BEDFORD SCHOOL COMMITTEE—SYLVIA ANN HOWLAND BEQUEST.

Income from bequest,	3,000.00

NEW BEDFORD WATER WORKS.

The receipts from sundry sources were as follows:

From takers, rates,	$71,363.21	
From services,	5,598.57	
For fines,	86.00	
For sale of hay,	117.00	
For mains,	3,552.89	
For sale of meters,	116.50	
Mrs. B. F. Hathaway, rent,	45.00	
John McCullough, old boilers,	103.95	
Highway Department,	2.25	
Sewer, North Front street,	25.25	81,010.62

PARKS FUND.

Stephen A. Brownell, sale of buildings, Grove school,	$1,124.80	
Potomska Mills, rent of buildings,	33.75	
Spencer Trask & Co., premium on bonds,	8,177.00	9,335.55

PARKS AND SQUARES.

Rent of Common, July 4, 1892,	$24.00	
Michael Shea, sale of shed,	5.00	
Highway Department,	7.30	
Sewers,—General Account,	19.25	$55.55

POLICE DEPARTMENT.

County of Bristol, rent of court room,	$300.00	
House of Correction, fines,	440.60	
Third District Court, fees,	2,075.41	
Bliss & Nye, returned, second audit,	1.25	
Gamewell Co., Boston,	2.50	
H. E. Raymond, returned, error roll,	3.50	
C. W. Ripley, returned, second audit,	7.85	
Board of Health,	217.80	
New Bedford & Fairhaven Bridge,	92.40	
Poor Department,	39.36	3,180.67

POOR DEPARTMENT.

The receipts were as follows:

CITIES AND TOWNS.

Acushnet,	$22.00
Attleboro,	63.00
Boston,	45.25
Brookline,	45.00
Cambridge,	30.50
Dartmouth,	390.00
Easton,	80.00
Edgartown,	33.25
Fairhaven,	138.95
Fall River,	263.27
Falmouth,	177.18
Freetown,	40.78
Harvard,	6.85
Harwich,	71.00
Haverhill,	9.85
Lawrence,	48.00
Ludlow,	107.00
Mashpee,	6.00
Mattapoisett,	14.50
Middleborough,	177.00
Nantucket,	103.75
Orleans,	63.25

Plymouth,	$91.50		
Rochester,	5.78		
Salem,	76.00		
Somerset,	15.00		
Taunton,	135.50		
Tisbury,	10.50		
Wakefield,	36.00		
Waltham,	114.25		
Wareham,	52.00		
Warren,	5.71		
Wellfleet,	151.49		
Westport,	75.00		
Whitman,	168.18		
Worcester,	1.00	$2,874.29	

COMMONWEALTH.

Support, burials, etc.,		2,679.10	

ALMSHOUSE—OUTSIDE RELIEF, ETC.

J. N. Carroll, support,	$2.33		
John Cunningham, board,	99.00		
R. Delano, support,	75.00		
Frederick Macy, hay,	16.40		
P. S. Macy, sale produce,	412.30		
Military aid,	512.00		
G. Podesta, sale of effects,	6.14		
Orrick Smalley, expense,	.50		
Sundry departments,	696.28		
R. Welch, board,	7.71		
Ellen Wheaton, board,	24.86		
William Wilbur, support,	4.50	1,857.02	
Received from support at hospitals, etc.:			
L. LeB. Holmes, guardian,	$156.00		
Hugh McHugh, board of wife,	144.00		
Joseph Mercer, board of wife,	104.29		
A. G. Tillinghast,	21.96		
B. R. Watson,	169.46		
Isaiah Wood, board of son,	169.92	765.63	$8,176.04

PUBLIC DEBT.

Water Registrar, water rates, for interest on water bonds,	10,000.00

PUBLIC SCHOOLS—DOG FUND.

County of Bristol, one-half of dog licenses,	1,274.42

PUBLIC SCHOOLS—INCIDENTALS.

From N. B. School Committee, Dog Fund,	$232.50	
Charles F. Wing, amount returned, second audit,	5.50	$238.00

PUBLIC SCHOOLS—PAY OF TEACHERS.

M. L. Hillman, amount returned, overpaid,	10.00

PUBLIC WORKS—PERMANENT IMPROVEMENTS.

Sewers—General Account,	3.38

REAL ESTATE TAX ACCOUNT.

William Piper, estate, tax of 1887,	$24.45	
Edwin S. Thayer, tax of 1889,	21.93	
William S. White, tax of 1888,	95.60	
Adelaide Wood, tax of 1888,	16.55	158.53

SEWER—BEETLE AND HOWARD STREETS.

C. D. Blanchard, labor,	$1.70	
W. D. Blanchard, labor,	2.00	
Highways and Streets,	.80	
Sewers—General Account,	28.85	
Grape street extension,	88.42	121.77

SEWER—COFFIN AVENUE.

Sewer—Grape street extension,	$43.00	
Myrtle street,	29.03	72.03

SEWERS—GENERAL ACCOUNT.

Receipts under this account have been as follows:

George Barnes, pipe, etc.,	$6.50
Thomas Denton, pipe, etc.,	6.16
George Kirk, pipe, etc.,	14.95
Joseph Lague, pipe, etc.,	4.70
Dennis McGoff, pipe, etc.,	9.80
Stephen McNamara, pipe, etc.,	2.14
C. S. Paisler, pipe, etc.,	64.00
W. G. Poole, pipe, etc.,	39.33
E. C. Reynolds, pipe, etc.,	7.10
Highways and Streets,	3,108.43
N. B. & F. Bridge,	1.93
Parks and Squares,	706.06
Sewers—Beetle and Howard streets,	532.48
Belleville avenue, 2,	521.30
Belleville avenue, 3,	64.51
Coggeshall street, 2,	121.11

Cottage street, 4,	$133.53	
Court street, 3,	424.70	
Cove road,	111.36	
Cove street, 2,	186.05	
Delano street, 2,	131.21	
Delano street, 2,	.75	
Emerson street,	121.57	
Fair street,	79.98	
Grape street extension,	379.03	
Harbor street,	223.68	
Hemlock street,	83.44	
Jenney street,	282.57	
Maxfield street, 4,	163.90	
Myrtle street, 2,	238.30	
Nelson street,	311.32	
North Front street, 2,	295.97	
North Front street, 3,	82.04	
Orchard street,	242.15	
Peckham street,	296.26	
Sawyer street,	1,453.51	
Shawmut avenue, 3,	186.11	
South Front street, 2,	64.45	
South Front street, 4,	105.12	
South Front street, 5,	111.06	
Spruce street,	117.28	
Weld street, 3,	351.08	
West French avenue,	133.13	$11,520.05

SEWER—GRAPE STREET EXTENSION.

Highways and Streets,	$116.48	
Sewers—General Account,	1,985.41	
Beetle and Howard streets,	77.81	
North Front street, 3,	1.80	
North Front street, 2,	3.55	2,185.05

SEWER—NORTH FRONT STREET, NO. 2.

Sewer—North Front street, 3,		11.50

SEWER—SAWYER STREET.

Highways and Streets,	$87.58	
Sewers—General Account,	41.27	
Delano street,	2.10	130.95

SEWER—SHAWMUT AVENUE, NO. 3.

Highways and Streets,		.35

SEWER—WEST FRENCH AVENUE.

Sewers—General Account,	$1.88	
Grape Street Extension,	1.32	$3.20

TEMPORARY LOAN.

Received from notes issued, as follows:

New Bedford Five Cents Savings Bank, note, Jan. 28, 1892,	$10,000.00	
F. S. Moseley & Co., Boston, note, Feb. 9, 1892,	452,115.63	
" " note, Nov. 5, 1892,	70,000.00	
" " note, Dec. 1, 1892,	70,000.00	
" " note, Dec. 31, 1892,	39,864.45	641,980.08

UNAPPROPRIATED FUNDS.

Received from various sources, as follows:

INTEREST, ETC.

Interest on deposits national banks,	$4,594.15	
Chamberlain, Burdett & Co., premium on $50,000 bonds,	2,880.00	
Worcester County Institution for Savings, premium on $50,000 bonds,	1,575.00	
New Bedford Institution for Savings, premium on $50,000 bonds,	2,880.00	
Collector of Taxes, costs and interest,	828.76	12,757.91

LICENSES AND FEES.

D. C. Ashley, milk licenses,	$140.00
Board of Health, pig licenses,	43.00
Colin S. Campbell, sixth class liquor license,	.75
City Clerk, licenses, etc.,	934.00
Forepaugh's circus, license,	60.00
Opera House, license,	20.00
F. R. Pease, sixth class liquor license,	.75
Sealer of Weights and Measures, fees,	126.63
Max Abrams, peddler's license,	25.00
Elias Cohen, "	25.00
B. H. Freidman, "	25.00
Israel Gerstein, "	25.00
Morris Gerstier, "	25.00
Nathan Lumiansky, "	25.00
Louis Potoschinsky, "	25.00
Louis Rosentown, "	25.00
Morris Shapero, "	25.00

Nathan Shooster,	peddler's license,	$25.00	
Moer Solin,	"	25.00	
M. Sushelsky,	"	25.00	
Maria Wischmatsky,	"	25.00	
Abram Wolfson,	"	25.00	$1,675.13

PERMITS TO ENTER SEWERS.

Gilbert Allen, Bedford street,	$10.00
Giles S. Allen, Tripp's brook,	20.00
Patrick Arkinson, Reynolds street,	10.00
J. C. Bettencourt, Bonney street,	20.00
Harry M. Blake, Park street,	20.00
Thomas Bliss, Grape street,	20.00
P. M. Bonney, Bonney street,	20.00
A. M. Brownell, Sawyer street, four houses,	80.00
Joseph W. Chadwick, Oak street,	20.00
Mary Cleary, Oak and Grape streets,	20.00
W. A. Codding, Mill street,	10.00
I. H. Coe, Bonney street, two houses,	40.00
Cook & Smith, Bowditch street,	10.00
Cook & Smith, Cove street, three houses,	30.00
Cook & Smith, Bowditch street,	10.00
William Dewhurst, Sawyer street,	20.00
Mary Dias, Rockland street,	20.00
M. Englesbee, Coggeshall street, two houses,	20.00
A. Florent, Sawyer street,	20.00
J. F. Francis, Division street,	10.00
Freeman estate, Cedar street,	10.00
Freeman estate, Spruce street,	10.00
Freeman estate, Spruce street,	10.00
Henry Gatie, Katharine street,	10.00
F. R. Hadley, Beetle street,	10.00
Hannon sisters, Park street,	20.00
George E. Hatch, agent, Purchase street,	10.00
Joseph Hendricks, Grape street,	20.00
S. H. Himes estate, Oak street,	20.00
William Hingham, Sawyer street,	20.00
W. W. Holmes, Bonney street,	20.00
Mrs. C. H. Howland, Tripp's Brook,	20.00
John Johnson, Park street,	20.00
Leonard Keck, Cornell place,	10.00
E. J. Kirwin, Rockland street,	20.00
Joseph Lague, Linden street,	10.00
William Maxfield, South Second street,	10.00
Dennis McGoff, Sawyer street, two houses,	40.00

Nelson Morris & Co., Middle street,	$10.00	
Patrick O'Brien, State street,	10.00	
E. M. Rounds, Kempton street,	10.00	
Z. T. Spooner, Hawthorn street,	10.00	
Elizabeth Sullivan, Cannon street,	10.00	
Antone Sylvia, Union street,	10.00	
Manuel S. Sylvia, Crapo street,	20.00	
James Taylor, Linden street,	10.00	
John Thuman, Bonney street,	20.00	
H. H. Tillson, Bonney street,	20.00	
D. M. Welch, Oak street,	20.00	
B. B. Winslow, County street,	10.00	
Thomas Wood, Bonney street,	20.00	$900.00

RENTS.

Armory rent,	$400.00	
City Hall,	300.00	
House, High and Pleasant streets,	53.00	
House, Kempton and Pleasant streets,	71.00	
Ward room, Sherman street,	18.00	842.00

SUNDRY SOURCES.

Herman Kuhn, cement,	$.25	
National bank tax, 1892,	3,063.15	
National bank tax, 1892, increase,	118.87	
Balance corporation tax, 1892,	57,109.14	
Poor Department,	1.40	
M. O. Richardson, drain,	6.50	
State Treasurer, tax on ships in foreign trade,	1,244.08	
Sale of old furniture, High school,	27.90	
Sale of old house, High and Pleasant streets,	22.00	
Sale of house and lot, Foster street,	3,490.25	
Superintendent of Schools, sale of books,	55.78	
Superintendent of Schools, sale of sundry articles,	9.00	
Tuition, non-resident pupils,	910.55	66,058.87

SEWER TAXES.

Babbitt street:		
Manuel Cardose,	$52.93	
G. F. Cole,	33.86	
W. W. Crapo, executor,	104.87	
J. M. DeSilvia,	24.01	
Mary E. Denham,	27.19	
John Fernandez estate, on account,	20.00	
Joseph Henriques,	26.43	

Manuel F. King,	$18.37	
Margaret Matthews,	23.83	
Manuel Medis,	18.36	
Manuel A. Neves,	18.37	
M. Rosefield,	23.88	
M. J. Sylvia, on account,	10.00	
Alexander A. Tripp,	72.76	
S. Weaver et al.,	60.10	
Benjamin F. Williams,	28.82	
George Wilson,	24.01	
Margaret Wood,	23.98	$611.77
Bowditch street, No. 3:		
T. Bennett, Jr., agent,	$106.83	
Bohemian Society,	53.54	
Jacob Doerr,	38.71	
Joseph Leach,	33.96	
J. M. Lyons,	38.56	
Mary M. Sullivan,	40.00	
Benjamin F. Taylor,	92.41	404.01
Bullock street:		
F. C. Dawe,	$70.37	
Ellen Halpin,	2.64	
A. F. Nichols,	39.72	
A. F. Nichols,	20.32	
Mary A. Pendleton,	17.27	
Benjamin Reynolds,	6.50	
Owen J. Roach,	14.75	171.57
County street, No. 4:		
Antone Berube,	$16.08	
Mary I. Davis,	16.08	
Joseph Francis,	16.69	
F. A. Sylvia,	16.08	64.93
County street, No. 5:		
William E. Brownell,	$83.41	
Lester N. Chase,	18.67	
Michael J. Cox,	61.25	
A. B. Drake and G. H. Nye,	62.15	
William Fisher,	19.49	
J. E. Moore,	39.49	
Michael Scullins,	30.13	
Cornelius H. Springer,	20.51	
John Vernon and Sharples,	172.71	507.81

County street, No. 6:		
James Beauregard,	$27.03	
Albert Boucher,	65.49	
James Davis,	56.12	
David Deteau,	27.05	
Timothy Donovan,	19.50	
Timothy McCarty,	23.52	
Fourth street:		
George L. Habicht,	21.03	
Fruit street:		
Thomas Lagasse, on account,	20.00	
R. S. Lawton, on account,	13.01	
J. H. and E. G. Murphy,	30.95	
Alfred Owen, on account,	20.00	
Eliza Wood,	17.44	$341.14
Hillman street, No. 3:		
J. H. C. Austin,	$19.10	
Robert Burke,	16.94	
William Burke,	18.85	
J. E. Herman,	41.60	
E. Jackson,	21.69	
G. H. Johnson,	28.04	146.22
Hyacinth street:		
L. S. Coeilha,	$11.53	
Maria DeMello,	11.15	
M. Haskell,	13.95	
Catherine O'Kane,	13.95	
Julia A. Macial,	11.15	
F. C. Sylvia,	14.55	76.28
James street:		
John Aqui,	$22.98	
Mary A. Casey,	40.07	
Mary C. Gillick, on account,	11.00	74.05
Juniper and Larch streets:		
P. & A. Behan, on account,	$50.00	
P. Behan and M. Kelley, on account,	50.00	
T. & S. Benn,	62.99	
John Bowen,	39.45	
C. F. Brightman, on account,	11.23	
A. M. Carveillio,	72.72	
John Connor, on account,	60.00	
John A. Crapo, on account,	50.00	

Manuel Gonsalves,	$87.66	
Mary A. Greenwood,	62.81	
James Hartley,	62.90	
Frank Marshall,	70.17	
P. O'Connor,	37.78	
W. H. Reynard,	20.16	
Antonio Souza,	96.43	
Thomas Stenson,	80.47	
A. T. Sylvia,	97.88	
T. B. & J. M. Tripp,	32.44	
T. B. & J. M. Tripp,	9.03	
William Watling,	145.91	$1,200.03
Margin street:		
G. & F. Arnett,	$42.44	
J. R. Deporto, on account,	20.00	
Mary F. Gonsalves,	29.03	
John J. Howland,	30.44	
Arba Lincoln,	32.65	
Andrew Lomba,	50.38	
John Marshall, on account,	35.00	
W. H. Nelson,	61.10	
Walter H. Nelson,	43.55	
W. N. Nelson,	31.45	
Annie Rogers,	13.25	
Charles M. Shields,	31.06	
Mary F. Welch,	15.00	435.35
Marvin street:		
John Gregory,	$67.19	
P. & J. Mullins,	49.07	
P. & J. Mullins,	48.65	
Samuel Ross,	97.23	
Richard Shaw,	30.53	
A. A. & H. Wroe,	33.05	325.72
Maxfield street:		
Samuel Thompson, on account,		5.00
Mill street, No. 4:		
James E. Aiken,	$31.31	
William R. Ball,	33.03	
William R. Ball,	27.73	
Allen Chase,	22.14	
Philip H. Cook,	43.64	
I. P. Francis,	20.32	
J. E. Herman,	31.49	

J. E. Herman,	$28.77	
E. A. Jennings,	27.28	
F. O. & A. W. Johnson,	20.70	
John E. Jones,	22.90	
Charles W. Lawton,	33.64	
L. G. Merry,	22.21	
N. P. Sowle,	20.26	
E. O. Spooner,	68.87	
Stephen Weaver estate,	28.77	
C. H. Winslow,	15.11	$498.17
Prospect street:		
Pairpoint Manufacturing company,		26.67
Pope street:		
Ellen M. Flavin,		10.86
Purchase street, No. 5:		
Hiram B. Coffin,	$50.66	
Benjamin Dawson,	62.10	
S. M. Hathaway,	73.88	
Joseph Jansen,	12.30	
John Smith,	38.69	
Wamsutta Mills,	126.66	364.29
Rivet street, No. 2:		
Esidore Lagasse, balance,	$18.00	
Rock street:		
Margaret Cairns,	42.74	
Patrick Driscoll,	39.81	
Victor Florent,	14.59	
Julien E. Fortin,	20.14	
F. Labreque,	22.31	
T. T. Laycock,	22.81	
R. Mitchell and M. Bartley,	22.21	
Manuel M. da Souza,	38.29	240.90
Sears street:		
Emily C. Coe,	$33.45	
N. S. Cook,	118.78	
W. W. Holmes,	13.45	
A. B. Otheman,	58.10	
F. H. Tripp,	82.75	306.53
Second street, No. 3:		
Manuel L. Sylvia,	$54.19	
Manuel L. Sylvia,	.47	54.66

Sycamore street, No. 2:		
Dionysis Bernardine,	$57.37	
W. S. Brown,	38.56	
R. K. Bussell,	36.65	
Rebecca Chase,	27.58	
George E. Davenport,	72.76	
Freeman estate,	89.71	
John C. Guynn, on account,	32.00	
Washington Keene,	56.64	
Joseph Mitchell,	73.51	
Catherine Sherman,	31.93	
Phebe A. G. Sherman,	39.87	
S. E. Sisson and H. E. Booth,	245.31	
S. E. Sisson and H. E. Booth,	129.93	
Hiram Wheaton estate,	85.20	
Hiram Wheaton estate,	85.04	$1,102.06
Tremont street, No. 2:		
Joseph A. Beauvais,	$46.48	
George Brennan,	48.44	
Harriet C. Dawley estate,	28.81	
J. C. Delano estate,	193.57	
Selmar Eggers,	46.10	
William Hathaway, Jr., estate,	216.96	
A. E. Swift,	37.85	618.21
Ward Street, No. 2:		
George E. Briggs,	$41.51	
Manuel Cardoze,	41.63	
W. H. Waterman,	41.35	124.49
Washington street:		
J. S. Cook,		74.05
Water street, No. 9:		
C. O. Andrews,	$21.86	
C. B. Burgess,	21.62	
Gilbert Burgess, Jr.,	18.69	
John W. Cornell,	21.58	
Annie Davis estate,	9.93	
G. & E. England,	41.70	
Seraphine Fournier,	23.37	
Samuel Gifford,	63.66	
F. A. Hathaway estate,	26.56	
Mary Holran,	11.99	
Sarah Hope,	26.65	
M. Howie and L. McCrea,	11.46	

Annie A. King,	$18.32	
Joseph F. King,	27.12	
Joseph H. Mayo,	19.10	
D. R. Minkler,	11.33	
D. R. Minkler,	21.45	
M. H. Mottram,	33.85	
Margaret A. Pring,	19.45	
Mary Stinson,	18.96	
Mary Stinson,	12.14	
C. D. Tuell,	32.46	
B. C. Warren,	15.07	
Patrick and Ann Welch,	21.99	550.31
Willow street:		
A. G. Alley et al.,	$115.39	
C. H. Brown,	18.12	
Frank B. Sistare,	83.37	
Alvin F. Waite,	9.28	
Alvin F. Waite,	18.12	244.28
		$90,813.27
Total receipts, including balance, Jan. 4th, 1892,		$1,795,151.66

PAYMENTS.

The payments upon the warrants of the Mayor were as follows:

Board of Health,		$21,336.92
Cedar Grove street school house addition,		15,265.55
Cemeteries,		12,021.79
City stable tool house and work shop,		6,334.36
Com. of Mass., military aid, chapter 279,	$4,243.00	
Com. of Mass., State aid, chapter 301,	7,666.50	
Com. of Mass., military aid, chapter 447,	1,733.00	13,642.50
Court judgments,		8,269.33
Engineering department,		13,120.94
Engine house No. 5 alterations,		3,998.09
Fire department,		54,126.85
Free Public Library,—Dog fund,	$1,246.65	
Incidentals,	5,834.12	
Trustees,	4,621.65	11,702.42
Grove School Park,		8,100.00

Highways and streets,		$170,853.37
Incidentals,		30,419.78
Kempton street school house and lot,		10,457.00
Lighting the streets,		35,142.68
New Bedford and Fairhaven Bridge,		5,490.41
New Bedford School Committee, Howland fund,		2,968.38
New Bedford School Committee, Jona. Bourne prize fund,		60.00
New Bedford Water Works,		96,910.19
Parks fund,		64,100.00
Parks and squares,		5,736.87
Police department,		74,158.82
Police station and ward room, South Water and Blackmer streets,		7,271.83
Poor department,		39,194.26
Printing, binding, and stationery,		9,609.65
Public debt,—Principal,	$36,000.00	
Interest,	88,355.38	
Interest, trust funds,	6,706.00	
Sinking funds,	43,920.00	174,981.38
Public schools,—Dog fund,	$1,430.75	
Incidentals,	33,429.41	
Teachers,	96,096.81	
Repairs of buidings,	12,781.53	143,738.50
Public works, permanent improvements,		2,564.52
Real estate tax account,		315.12
Repairs of city property,		7,891.62
Salaries,		16,290.24
Sewers, — General account,	$38,713.07	
Beetle and Howard streets,	3,150.12	
Belleville avenue, No. 2,	2,066.31	
Belleville avenue, No. 3,	447.86	
Coffin avenue,	423.25	
Coggeshall street, No. 2,	921.38	
Cottage street, No. 4,	293.50	
Court street, No. 3,	2,326.56	
Cove road,	211.22	
Cove street, No. 2,	549.40	
Delano street, No. 2,	412.62	
Emerson street,	773.05	
Fair street,	236.22	
Grape street extension,	23,822.77	
Harbor street,	336.28	
Hemlock street,	209.19	

Jenney street,	$621.66	
Maxfield street, No. 4,	641.45	
Myrtle street, No. 2,	2,003.61	
Nelson street,	761.92	
North Front street, No. 2,	639.82	
North Front street, No. 3,	308.39	
Orchard street, No. 4,	6,537.53	
Peckham street,	2,452.48	
Sawyer street,	14,181.96	
Shawmut avenue, No. 3,	1,325.35	
South First street, No. 2,	156.81	
South First street, No. 4,	298.17	
South Front street, No. 5,	582.32	
Spruce street,	218.69	
Weld street, No. 3,	2,002.49	
West French avenue,	355.48	$107,980.93
Temporary loan,		604,615.63
		$1,778,669.93
Balance, cash in treasury, Jan. 2, 1892,		16,481.73
		$1,795,151.66

In Board of Aldermen,
February 23, 1893.

Received and ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
2d mo. 23, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

ANNUAL REPORT

OF THE

Sinking Fund Commissioners

OF THE

CITY OF NEW BEDFORD,

For the Year 1892.

In Board of Aldermen,
January 26, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
1 mo. 26, 1893.

Concurred.

WILLIAM A. MACKIE,
Clerk.

Report of the Treasurer of the Sinking Funds.

City of New Bedford,
Treasurer's Office,
January 2, 1893.

To the Commissioners of Sinking Funds of the City of New Bedford:

Gentlemen,—Herewith I most respectfully submit the statement of my account as Treasurer of the Sinking Funds for the year ending January 1, 1893.

The appropriations by the City Council in 1892 for the Sinking Funds were $43,920, the amount received from the Water Registrar for rates, applied to the water debt, $600,—a total of $44,920, or $8,000 in excess of 1891, namely, $4,000 for $100,000 of Sewer Bonds issued April 1, 1892, and $4,000 for $50,000 of Improvement Bonds issued at the same date.

At the present date, the funds are all invested as a deposit in the National Bank of Commerce, of this city, at four (4) per centum per annum, the interest being computed and credited semi-annually, this contract to continue until March 31, 1893, inclusive.

Amount of Sinking Funds, Jan. 1, 1892,	$155,986.15

APPROPRIATED BY THE CITY COUNCIL.

For $80,000 Improvement Bonds, April 1, 1885,	$6,500.00	
25,000 Improvement Bonds, April 1, 1886,	2,300.00	
30,000 Sewer Bonds, April 1, 1886,	1,200.00	
30,000 Sewer Bonds, Oct. 1, 1886,	1,200.00	
15,000 Sewer Bonds, April 1, 1887,	600.00	
35,000 Improvement Bonds, April 1, 1887,	2,800.00	
15,000 Improvement Bonds, April 1, 1888,	1,200.00	
35,000 Sewer Bonds, April 1, 1888,	1,400.00	
43,000 Sewer Bonds, April 1, 1889,	1,720.00	
62,000 Improvement Bonds, April 1, 1889,	4,960.00	
48,000 Sewer Bonds, April 1, 1890,	1,920.00	
25,000 Improvement Bonds, April 1, 1890,	2,000.00	
57,000 Sewer Bonds, April 1, 1891,	2,280.00	
73,000 Improvement Bonds, April 1, 1891,	5,840.00	
100,000 Sewer Bonds, 1892,	4,000.00	
50,000 Improvement Bonds, April 1, 1892,	4,000.00	
	$43,920.00	
From Water Rates, Bonds, April 1, 1888,	600.00	
	$44,520.00	
Interest to date on investment,	7,818.62	$52,338.62
		$208,324.77

INVESTMENTS FOR THE YEAR.

Deposited at National Bank of Commerce, Jan. 1, 1892,	$155,986.15
Appropriations by City Council,	43,920.00
From Water Registrar, rates,	600.00
Interest to date,	7,818.62
Total deposits at this date,	$208,324.77

AMOUNT OF SINKING FUNDS IN EACH CLASS.

Sinking Fund, No. 1,	$62,370.18
" No. 2,	18,938.53
" No. 3,	9,880.29
" No. 4,	8,293.18
" No. 5,	4,157.15
" No. 6,	19,350.36
" No. 7,	6,754.84
" No. 8,	7,880.66
" No. 9,	3,373.56

Sinking Fund,	No. 10,	$7,563.88
"	No. 11,	21,828.35
"	No. 12,	6,194.91
"	No. 13,	6,453.15
"	No. 14,	4,788.55
"	No. 15,	12,265.42
"	No. 16,	4,115.88
"	No. 17,	4,115.88
Total, Jan. 1, 1893,		$208,324.77

Respectfully submitted.

JAMES H. HATHAWAY,

Treasurer.

Report of the Commissioners of Sinking Funds.

New Bedford, Mass., Jan. 26, 1893.

At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held this day, it was

Voted, To adopt the foregoing statement of the Treasurer as the report of the Commissioners of Sinking Funds of the City of New Bedford, required by the Statutes of Massachusetts to be made annually to the City Council.

MORGAN ROTCH,
J. AUGUSTUS BROWNELL,
ANDREW R. PALMER,
} Commissioners.

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1893—City Document No. 9.

ANNUAL REPORT

OF THE

CHIEF OF POLICE

OF THE

City of New Bedford,

TO THE

CITY COUNCIL,

FOR THE

Year ending December 31, 1892.

NEW BEDFORD:
Mercury Publishing Company, Printers to the City.
1893.

REPORT.

NEW BEDFORD, Dec. 31, 1892.

To His Honor the Mayor and Gentlemen of the City Council:

I have the honor to herewith submit my first annual Report, showing the condition of the department and synopsis of the work performed during the past year.

The force as now organized consists of one chief, two captains, seven lieutenants, two inspectors, forty-five patrolmen, two wagonmen, two drivers, four day housekeepers, and one night honsekeeper.

Fourteen hundred thirty-five (1435) arrests have been made during the year, classified as follows (on warrants 283):

Abortion,	1	Disturbing the peace,	136
Accessory to larceny of a team,	1	Drunkenness,	821
Assault and battery,	145	Embezzlement,	10
Assault, indecent,	1	Enticing a female under sixteen years of age,	2
Assault on an officer,	6	Escaped convicts,	2
Bastardy,	13	Exposing the person,	2
Breaking and entering and larceny,	46	Extortion,	3
Breaking and entering with intent to commit larceny,	1	Fornication,	1
Buying second hand goods of minors,	1	Highway robbery,	2
Contempt of court,	15	Idle and disorderly,	9
Cruelty to dumb animals,	4	Illegal sale of liquors,	2
Concealing leased property,	1	Insane,	33
		Keeping liquor with intent to sell,	3

Keeping common nuisance,	4	Receiving stolen goods,	1
Keeping noisy and disorderly house,	8	Selling adulterated food,	3
Larceny,	61	Selling poisonous compound without label,	2
Larceny, felonious,	10	Stealing a ride,	1
Lewd and lascivious cohabitation,	2	Stubborn children,	15
Malicious mischief,	11	Threatening bodily harm,	2
Manslaughter,	1	Tramps,	3
Non-support,	28	Trespass,	1
Obstructing an officer,	2	Using obscene language,	1
Obtaining goods under false pretences,	5	Vagrants,	4
Peddling without a license,	2	Violation city ordinances,	1
Polygamy,	1	Violation of Lord's day,	1
		Violation of pharmacy law,	4

NATIVITY OF PRISONERS.

United States,	659	Scotland,	22
British Provinces,	8	Norway,	3
Canada,	132	Poland,	2
Ireland,	290	West Indies,	3
England,	217	Bohemia,	2
Germany,	20	Russia,	7
Italy,	1	Arabia,	1
Portugal,	60	Austria,	2
Sweden,	5	St. Helena,	1

Of the persons arrested, 1277 were males and 158 were females; 261 were non-residents; and 145 were minors; 626 were committed to penal institutions and insane asylums; 88 appealed from sentence; 19 were found not guilty and discharged; 25 were nolle prossed; 7 were delivered to out of town officers; 162 were released from the lockup; 161 had their cases continued on probation; 168 paid fines; 179 had their cases continued for trial.

MISCELLANEOUS BUSINESS.

Amount of property reported stolen in the city,	$4,430.53	Buildings found open and secured,	87
Amount of property reported recovered,	$3,821.13	Cases investigated,	1,825
		Defective streets reported,	81

Defective chimneys reported,	1	Street obstructions removed,	1
Dangerous dogs reported,	9	Street obstructions reported,	1
Dog notices served,	10	Stray teams put up,	10
Dogs killed,	31	Sick and injured persons helped to station,	1
Fire alarms given,	13	Sick and injured persons helped home,	13
Fires extinguished without alarm,	4	Water reported running to waste,	17
Horses found cast,	8	Defective drains and vaults reported,	7
Intoxicated persons helped home,	2	Disturbances suppressed,	133
Lost children found and restored,	111		

LODGERS.

Nine hundred ninety-one (991) persons have been furnished with lodgings during the year, of whom 976 were males and 15 were females; 564 were born in the United States, 427 were foreigners; 991 were non-residents; 31 were minors.

NATIVITY OF LODGERS.

United States,	564	Ireland,	217
British Provinces,	2	Italy,	2
Canada,	21	Portugal,	2
Denmark,	2	Scotland,	14
England,	154	Sweden,	5
Germany,	8		

STATION HOUSES.

Central Station.—Owing to the cramped condition of the office room, it has been deemed advisable to move the police signal apparatus and telephone to another room, which, with the addition of the "long distance" service, makes a decided improvement in many respects.

South Station.—The recommendation of my immediate predecessor, that better accommodations be provided in the south part of the city, received my early attention,

and there has been erected a fine brick building on the southeast corner of South Water and Blackmer streets, which bids fair to be well adapted to the requirements of the service, and will soon be equipped with suitable appliances and put into commission, for which the members of the force feel proud, and wish to thank the City Council, and particularly the "joint special committee" who had the matter in charge.

Police Stable.—The carriage room is barely sufficient in area to house the patrol wagon, ambulance, and prisoners' van, and, during last winter, in order to put in a stove for heating, it was necessary to store the ambulance in a public stable, at great inconvenience and considerable expense; then, the heat from the stove in close proximity to the other wagons was injurious to their woodwork, and blistered the paint. I recommended to the Committee on City Property a system of hot water heating, which was adopted by them, and put in by Messrs. Babbitt & Wood, and it has thus far proved satisfactory, allowing room for all the apparatus on the floor.

In this connection, I further recommend that a sufficient addition be made to the building to admit a spare patrol wagon, as the one now in use is often out of commission for repairs, and a lighter one would be preferable for general use.

THE FORCE.

It is very much to be regretted that, owing to ill health, such an efficient and experienced officer as Chief Daniel A. Butler was obliged to resign from the department, and consequently unfortunate, perhaps, that circumstances necessitated the appointment of a new chief to direct the department affairs, more especially at a time when so radical a change was made in municipal affairs; yet, not-

withstanding the many and perplexing difficulties which would ordinarily arise on the induction of a new man into an unfamiliar office, I am able to say that a fair showing has been made, harmony and good feeling have prevailed in the department, and that, as a whole, it is in excellent working order.

As the city increases in population, the duties of the officers naturally increase, and the demands for their services multiply and necessitate augmented vigilance on their part. Further additions to the force will be required in the near future, in order to meet these increased demands.

There have been changes in the force during the year, as follows: Vacancies—Chief Daniel A. Butler, Patrolman Lewis S. Moore, and Wagonman James Dowden, resigned; Patrolmen John Hermon was discharged for violation of Rule 20, Police Regulations, and Patrolman William P. Hagerty died—5. Appointments—One chief and 8 patrolmen—9,—an increase of four over last year.

The vacancy caused by the resignation of Wagonman Dowden has been filled by the transfer of Patrolman John W. Brady.

It has become necessary to call the attention of the authorities to the fact that a few members of the force have grown old in the service, and have become physically unable to perform patrol duty. The question is, What shall be done with them? In some cities, where they have public parks, "hospital beats" are made, where the aged and partially disabled policemen are used to guard and protect the trees, plants, seats, etc. Many cities are taking steps toward pensioning those who become disabled. Certainly, something should be done to relieve the department of those faithful and worthy servants of the city, who for so many years have guarded the lives and property of our citizens, and who, at last, have be-

come unable to effectively serve longer or to perform full duty.

WOMEN'S LOCKUP.

This branch of the department, under the able and immediate care of the matron, Mrs. Margaret S. Bullard, is in a fairly good condition; as much so, perhaps, as the quarters and accommodations will permit. Mrs. Bullard is a faithful and painstaking lady, well adapted to the position she so ably fills.

SIGNAL SYSTEM.

The Gamewell Signal System, which was put into commission April 17, 1891, is of great assistance, and is an indispensable fixture in police service. In this city, however, there is some trouble in the telephonic part of the system, caused by conflicting ground connections, believed to be on account of the electric cars and arc lights. I have obtained permission to add a third wire, and do away with the ground connection altogether. The wire has been contracted for, much of it has arrived, and a portion of it has already been run. When this arrangement has been completed, it is thought the buzzing sound will be remedied.

The following shows to what extent the system has been used during the past year:

Duty calls registered and recorded from 7.30 a. m., Dec. 31, 1891, to 7.30 a. m., Dec. 31, 1892,	213,140
Telephone calls during same time,	10,336
Wagon calls during same time,	1,571
Total calls,	225,047

The ambulance has been used thirty-one times.

In submitting this, my first annual Report, I desire to thank all of those that have taken an interest in the department, and especially all the members of the department, for the courteous deportment and faithful promptness with which they have discharged their duties.

I have the honor, gentlemen, to be

Obediently yours,

EZEKIEL C. GARDINER,

Chief of Police.

In Board of Aldermen,
January 9, 1893.

Received and ordered printed in the City Documents, and sent down for concurrence.

DANIEL B. LEONARD,
City Clerk.

In Common Council,
1 mo. 9, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1892—City Document No. 10.

Fourth Annual Report

OF THE

Board of Public Works

OF THE

City of New Bedford,

TO THE

City Council,

TOGETHER WITH THE

Superintendent's Report to the Board,

FOR THE YEAR 1892.

NEW BEDFORD:
Mercury Publishing Company, Printers to the City.
1893.

BOARD OF PUBLIC WORKS.

Organized, May 3d, 1889, under Chapter 167 of the Acts and Resolves of 1889.

ORGANIZATION FOR 1892.

CHARLES S. ASHLEY, Mayor, Chairman.

WILLIAM G. KIRSCHBAUM, President of the Common Council.

MORGAN ROTCH, appointed, April 11th, 1889; reappointed, April, 14th, 1892; term expires, May, 1895.

THOMAS B. TRIPP, appointed, October 9th, 1890; term expires, May, 1893.

GEORGE F. BARTLETT, appointed, July 13th, 1891; term expires, May, 1894.

The above Board, under the same act, constitutes the Park Commissioners.[1]

CLERK.

DANIEL B. LEONARD, City Clerk.

SUPERINTENDENT OF PUBLIC WORKS.

ALBERT B. DRAKE.

REPORT.

City of New Bedford,
Office Board of Public Works,
Odd Fellows Building, Dec. 31st, 1892.

To the City Council of the City of New Bedford:

Gentlemen: — The Board of Public Works herewith submit their fourth annual Report for the year ending December 31st, 1892.

PUBLIC WORKS.

At the first meeting of the year 1892 the Board organized with Hon. Charles S. Ashley, Mayor, Chairman; William G. Kirschbaum, President of the Common Council; Morgan Rotch, Thomas B. Tripp, and George F. Bartlett.

On the second day of May the Board organized for the ensuing year with the above members. Daniel B. Leonard, City Clerk, continued, by the provisions of the act constituting the Board, to act as Clerk. Albert B. Drake was re-elected Superintendent of Public Works.

The purchase of a larger crusher for the City Yard, to increase the capacity of the plant, should be considered the first thing in 1893, and the best machine for the purpose purchased and set up in time for the working season.

In the judgment of this Board, the time for substituting granite block pavement for the present cobble paving of the main thoroughfares has arrived.

We would suggest a liberal appropriation to carry out this long needed improvement on such main lines of travel as Purchase and Fourth streets, Acushnet avenue, Union, William, and Water streets. It is a very wasteful way of using the appropriation to be continually patching and relaying cobble pavements. Cobble paving, besides being wasteful in cash, provides a constant nuisance for the public to contend with in the obstructing of travel at the time of making repairs, and is a danger and menace to the wheel travel a large share of the time when not being repaired.

This Board is of the opinion that the time has arrived when the law relating to street betterments should be accepted by the City Council. Under this law, owners of real estate calling for improvements, or improvements where demanded by the general public, can be assessed a share or whole of the cost of the improvement by which they are benefited financially.

If the betterment law was accepted it would reduce the net cost to the city of the improvements made annually and increase the number and extent of the improvements.

That a much heavier outlay is necessary to keep step with the growth and needs of the city must be admitted by all.

The following statements may be interesting to the public:

Year.	Population.	Net Expenditure on Highways and Streets.	Total General and Special Appropriations for the City.	Per cent. of Highways and Streets Expenditure to the Total Appropriations.	Cost per Inhabitant.
1850.	16,443	$13,185.62	$89,559.88	14.72	$.80
1855.	20,389	39,964.03	201,678.12	19.81	1.94
1860.	22,300	34,890.35	197,000.00	17.71	1.56
1865.	20,853	22,005.03	362,500.00	6.07	1.05
1870.	21,320	About 33,172.72	358,225.00	9.26	1.55
1871.		37,779.50	422,231.11	8.94	
1872.		48,054.88	467,150.00	10.28	
1873.		47,000.00	445,200.00	10.55	
1874.		63,000.00	457,990.55	13.75	
1875.	25,895	73,400.00	474,300.00	15.47	2.83
1876.		60,000.00	488,039.69	12.29	
1877.		51,000.00	498,200.00	10.24	
1878.		40,804.75	402,427.28	10.14	
1879.		62,698.80	437,238.00	14.34	
1880.	26,845	76,016.62	439,291.45	17.34	2.83
1881.		66,195.89	547,100.00	12.10	
1882.		76,896.13	501,573.87	15.33	
1883.		75,348.54	619,039.96	12.17	
1884.		81,679.35	653,832.49	12.49	
1885.	33,393	84,861.70	577,176.80	14.70	2.54
1886.		81,972.11	588,313.43	13.93	
1887.		78,985.27	598,926.80	13.19	
1888.		90,752.96	618,972.54	14.66	
1889.		77,991.01	773,094.56	10.09	
1890.	40,733	104,142.79	755,811.62	13.78	2.55
1891.		109,917.01	790,185.88	13.91	
1892.		132,653.02	1,051,333.24	12.62	

Average per cent. of highways and streets expenditures to the total appropriations:

For twenty-three years,	12.67
For last thirteen years,	13.56

As can be seen by consulting the above table, from 1855 to 1870 no appreciable growth of the city is apparent. During these fifteen years all the appropriation for highways and streets was spent upon the old settled part of the city and improvements were made far in advance of

most cities; the increase in population being only about 4½ per cent. During the following five years—1870 to 1875—an increase of 21 per cent. was made in population, the increase in the appropriation being 121 per cent. in that period.

From 1875 to 1880, the growth is very slight, the increase in population being less than 4 per cent., and the increase in appropriation, 3½ per cent. From 1880 to 1890, a steady growth is apparent in the population, the increase being 57 per cent., the appropriation increasing only 37 per cent.

From 1890 to 1892, an unusual growth is apparent, the population increasing certainly 23 per cent. and the appropriation only 27 per cent.

The average appropriation and population, by periods of five years each, appears as follows:

Period.	Average Available Appropriation.	Average Population.	Rate per Inhabitant.
1870 to 1875.	$45,801.42	23,607	$1.94
1875 to 1880.	57,580.71	26,370	2.18
1880 to 1885.	75,227.30	30,119	2.49
1885 to 1890.	82,912.61	37,063	2.24

Average number of inhabitants per poll, as given by the last nine census returns, $4\frac{20}{100}$.

Number of polls, May 1st, 1892,	11,861
Special assessments,	346
Polls,	12,207

The length of curbing laid the past year has fallen far short of meeting the constantly increasing demands of the public. The fact that the new growth of the city has gone far beyond the boundaries of the old city as known to the inhabitants of a few years ago, hardly seems to be

realized by the public at large. It must be borne in mind that two lines of curbing are needed for each street, and if all the curbing laid the past year had been laid on one street, it would only have completed about two and one-half miles of street.

To bring this subject to your attention in actual figures, the following table of streets accepted during the past fifteen years is presented:

Year.	Length in Feet.	Length in Miles.	Number of Streets.
1878.	2,040.78	.39	3
1879.	14,162.86	2.68	10
1880.	1,827.20	.35	3
1881.	9,731.40	1.84	10
1882.	11,707.10	2.22	12
1883.	8,804.79	1.67	9
1884.	12,120.50	2.30	12
1885.	14,493.94	2.745	19
1886.	10,922.09	2.07	11
1887.	6,597.36	1.25	7
1888.	25,133.35	4.76	25
1889.	13,854.61	2.62	17
1890.	19,483.23	3.69	18
1891.	20,273.57	3.84	24
1892.	28,638.12	5.424	31
	199,790.90	37.839	201

The totals length of accepted streets at this date is about one hundred thirteen miles. This shows an increase in the length of accepted streets during the past fifteen years of about fifty per cent. During the same time the city has increased over one hundred per cent. in population.

This Board would urge the necessity for a continuance of this work, and an increase in the length of curbing laid corresponding with the general increase in length of streets and in population.

If a sufficient appropriation is available, this department should purchase flagging enough to relay a large number

of old sidewalks in the centre of the city on the main thoroughfares. The laying of concrete walks should be increased if possible.

The bank wall at the Cove has demonstrated its usefulness in several storms and should be continued and the roadway graded for the convenience of the public.

The street cleaning of the past year has been more systematically carried on than ever before and, in the judgment of this Board, should be continued. If sufficient money is available, a number of men with carts should be placed on the main thoroughfares to pick up droppings and paper.

The new building at the City Yard, now nearly completed, will fill a long-felt want.

The Board would respectfully call your attention to the Superintendent's statement of the action of your body with relation to the granting of the appropriation for Grape street sewer, and would suggest that some definite action be promptly taken on all such requests, either approving or rejecting. This sewer is much needed to meet requests made for drainage at Cannonville.

The Board would specially call your attention to the statement of the Superintendent with relation to the increase in labor-saving steam appliances, their effective work, and the need of increasing this branch of the work.

The lowering of the Union street sewer, from Purchase street west, and the William street sewer, from Acushnet avenue west, must apparently be met the coming year, if the building already contemplated should be carried out.

The number of catch-basins added during the past year has been creditable and should be increased the coming season. The extended remarks of the Superintendent on this subject should be read with interest.

After careful consideration of the public demands for

accommodation to travel on Pleasant street, from Union to William, it was decided to widen the street on the east side ten feet. This work will be carried out in the spring of 1893.

The subject of widening the New Bedford and Fairhaven bridge seems to be more favorably looked upon by the public.

Under the instruction of the Board, the Superintendent has prepared a full detailed account of the engineering work accomplished by this department during the year, and to which you are referred. The work of this department has been developed and brought to its present state of usefulness in two and one-half years.

In February, the City Council saw fit to place an increased sum to the credit of the engineering account at the request of the Mayor, Charles S. Ashley, for the purpose of plotting the city. Under the direction of the Mayor, as Chairman of this Board, A. B. Drake, Civil Engineer, has done this work independent of this office.

The most difficult sections were undertaken first, in spite of the protest of the engineer that but a small showing could be made for the money expended, compared with the work that could be accomplished in the newer parts of the city. The work is being pushed forward at the present time, as stated in the report of the Superintendent.

During the past year forty-one petitions were presented for street improvements, estimated to cost $21,627, on which nothing has been ordered; eighteen petitions for acceptance of streets, length, 17,692 feet or 3.35 miles; eleven petitions for sewers lowered and laid, a length of 5,780 feet or 1.1 miles; estimated cost, $17,290.

Orders for street improvements remain on file as follows:

Ordered previous to January 1st, 1892, estimated cost,	$38,070.00
Ordered since January 1st, 1892, estimated cost,	30,212.00
Estimated cost to complete total orders on hand, January 1st, 1893,	$68,282.00

PARKS.

The first regular meeting of the Park Commissioners was held January 26th, 1893. At this meeting a joint special committee of the City Council, consisting of Aldermen Brownell and Russell and Councilmen Corey and Sullivan, met with the Board in relation to the establishment of a system of public parks. After a thorough discussion of the subject it was

Voted, "That this Board recommend to the City Council that they forthwith petition the Legislature for such legislation as will authorize the city to issue bonds to an amount not to exceed $100,000, payable in periods not exceeding fifty years from the date of issue, for park purposes.

"That a special appropriation of the sum of $8,100 be made for the purpose of purchasing a tract or tracts of land situated on South Water street, bounded as follows: On the north by the Grove school house lot; west by South Water street; on the south by Blackmer street; and east by South Front street, and containing eighty rods, more or less, to wit:

"Sixty-five rods, more or less, of Potomska Mills Co., with two dwelling houses thereon, $6,000; thirteen rods, more or less, of E. L. Harrison, with buildings thereon, $2,100.

"Said land to be purchased for the purpose of a public square.

"That the Grove school house lot, situated on South

Water street, having been abandoned by the School Committee, be transferred to the care and custody of this Commission, to be used in connection with the eighty rods of land above referred to."

All of the above recommendations were carried out by the City Council.

A curbing has been laid around the Grove School square, but no work attempted other than filling the cellars, well, etc.

Upon a request from the Board, the use of a small grove of trees on the east shore of Clarks point, in front of the almshouse, was granted by the Poor Department. This, being swampy shore land, has been partially graded during the past year.

At the north end, two lots of land were tendered the city for park purposes. George F. Bartlett tendered the Duncan Perry estate, extending from Acushnet avenue to the Acushnet river, at cost. Alanson Borden, Esq., for the owner, tendered the Martha Spooner estate, on the west side of Acushnet avenue, north of the Herman place.

At the west end, Stephen A. Brownell tendered the John Green property for a park.

As a result of these offers and other negotiations made by the Commission, at a meeting held May 26th, 1892, it was

Voted, "That a communication be presented to the City Council, at its next meeting, recommending to that body the following park sites:

NORTH END PARK.

1. The Martha Spooner place, on Acushnet avenue, containing 40 acres, to cost $85,000
2. The Herman estate, adjoining, containing about 51 acres, to cost 25,000

WEST END PARK.

1.	The John Greene property, containing about 53 acres, to cost about	$30,000
2.	The Zenas Whittemore property, adjoining, containing about 5 acres, to cost about	3,500
3.	About one acre of Clark Greene's land, adjoining above, to cost	600
	Total cost,	$64,100

"Also recommending that $65,000 be set aside from the 'Park Fund,' and placed at the disposal of the Park Commissioners for the purchase of these specified parcels of land for park purposes."

All the above tracts have been purchased as recommended.

To the good will and untiring push and energy of Hon. Charles S. Randall, member of Congress, the city is indebted for the grant, by the United States government, of the property at Clarks point for park purposes. This reservation has been improved by removing the old buildings around the fort, levelling off the earth mounds in front of that structure, and laying a drain in the ditch around the fort and filling the same with broken stone. This last work is not completed at the shore ends of the pipe.

Two hundred settees of a very serviceable and easy style have been purchased and will be supplemented by others when improvements not yet decided upon shall have been carried out.

CHAS. S. ASHLEY,
WM. G. KIRSCHBAUM,
MORGAN ROTCH,
THOMAS B. TRIPP,
GEORGE F. BARTLETT.

Report of the Superintendent.

City of New Bedford,
Office of the Superintendent of Public Works,
Odd Fellows Building, December 31st, 1892.

To the Board of Public Works:

Gentlemen, — I respectfully submit the following report of the work of the department for the year 1892, with suggestions of improvements that call for early attention.

HIGHWAYS AND STREETS.

Macadam.—While the work done under this head is very creditable to the department, the capacity must be increased to in any way keep pace with the needs. With the increase in heavy traffic, the macadam streets are being worn out much faster than ever before. There are several of the main thoroughfares that sadly need repairing.

Weld street, from Pleasant to Bowditch; Pleasant street, for more than half its length; Fifth street, from Spring to Madison; Shawmut avenue, from Parker to Sutton street; and County street, from Linden to Rivet, need repairs, more or less.

The demands for new macadam thoroughfares are constantly increasing. Sawyer street, from Acushnet avenue east to the Pierce and Bennett Mills; Durfee street, from Cedar to Shawmut avenue; Cottage street, from Durfee

to Hillman; Park street, from Parker to Arnold; Parker street, from County to Summer; Ash street, from Hillman street south to Hawthorn; Arnold street, from Cottage to Atlantic; Page, Grape, and Oak streets, from Hawthorn to Dartmouth; Rockland street, from County to Dartmouth; Rivet street, from Bolton road to Dartmouth,—these are all needed improvements to accommodate the general travel. Add to this an endless number of short sections of streets that all need the same work and you will realize that the pace of our present improvements is in no way keeping step with actual demands.

The decision of the Board last spring to try to do the work at the City Yard with the old crusher has been very costly. While the amount of stone put through the machine is creditable, the crusher is so much worn as to be costly in operation. The three-and-one-half-inch steel shaft through the pitman or movable jaw has broken so many times that a four-inch shaft has been substituted. One of these four-inch steel shafts has been broken. The breaks are caused by the worn condition of the heavy frame of the machine. The powerful leverage caused by a tough piece of stone getting between the frame and jaw cannot be appreciated unless seen. Late this fall, this machine would have been run nights to keep up to the demands, but I did not dare to take the chances of accidents with the men. I must warn you that the machine as at present is unsafe to operate.

A new machine of at least double the capacity of the present one should be procured to meet the demands this crusher is expected to face. This machine is expected to keep up the repairs on about twenty of the 26.39 miles of macadam already laid, and, in addition, to furnish stone for new macadam roads within about one mile radius of the crusher.

The portable crusher remained at its location on Beetle street during the winter, where stone from the Sawyer street sewer was accumulated. From this crusher Coggeshall street was completed to the iron work of the new bridge.

The county of Bristol paid the department $700 for the macadam and gutters on the west approach of the bridge.

Purchase street, from Clark to Coggeshall, and several sections of Acushnet avenue from Bowditch street to Howard avenue, were repaired.

After completing this work the crusher was removed to a location on Acushnet avenue near the Phillips road. The work done at this point is fully set forth in the tables. One piece of macadam, on Acushnet avenue south of Lunds corner, was repaired from this crusher. The crusher remains in the same location this winter, with some stone left over to start the work in the spring.

Recommendations.—A new crusher at the City Yard is an imperative necessity and I would suggest that a new one of double the capacity be procured with boiler and engine, the boiler and engine that now operate the old crusher to be used for power and heat in the new building just built at the City Yard.

The length of macadam streets is now 26.39 miles. Certainly 10 per cent., or 2.64 miles, will call for repairs in 1893, and as we are behind present requirements, it will only add to future burdens in this department to keep up the limited progress we are making at present.

The following is the cost of the crushing as we have it charged :

CENTRE CRUSHER.

6,428 tons of stone, at 37.03 cents per ton.
8,025 tons of stone, at 48.91 cents per ton.

14,453 tons of stone crushed, at an average cost of 36.82 cents per ton.

PORTABLE CRUSHER.

2,320 tons of stone, Coggeshall street, between Bennett street and the bridge, at 50.08 cents per ton.
4,018 tons of stone, Coggeshall street, between Bennett street and the bridge, at 26.01 cents per ton.
2,804 tons of stone, Acushnet avenue, between Davis' corner and Phillips road, at 48.87 cents per ton.

9,142 tons of stone crushed, at an average cost of 36.21 cents per ton.

Streets Graded. — Very heavy demand was made during the past year for new and old streets to be graded, and although you have met a large share of these demands, the needs that are in sight, with the unanswered demands, will make a very long list for next summer.

I will make no recommendation calling attention to special needs, as I think the actual demands will far exceed the sum of money available for this work.

It seems to me to be the proper time to urge upon the City Council the need of an acceptance of the betterment laws relating to street improvements.

Early in the year, the old road roller was sold and a new one purchased of the O. S. Kelley Company, Springfield, Ohio. The new machine has worked well. By an accident, owing to carelessness, the front yoke was broken and repairs had to be made.

Paving. — I would call your attention to the great need of more permanent improvements to the paved streets. The laying of cobble paving should be discontinued in all streets subjected to heavy teaming. The heavy teaming

during the past two years has increased with the unusual growth of the city. Streets that formerly stood the travel very well with cobble paving, when the city was little more than a large town, cannot stand the traffic to which it is subjected in a rapidly growing city.

With this rapid growth of heavy traffic, I am sorry to record the fact that narrow-tired wheels are being more generally used. The weight carried in heavy traffic is from one-half ton to three tons or more per wheel. The slipping and sliding of narrow-tired wheels, from the top of a cobble stone into the space between, soon picks out all the weak spots, the street becomes rutted, and the passage of a heavy cart over such a street is a succession of slips and jolts, dropping into one depression, only to climb out and drop into the next one. The cost to the teamsters of the city from this source alone must be a very heavy item each year for repairs.

Acushnet avenue should be paved with blocks from High street north as far as the appropriation will allow.

After the laying of the new water main, as contemplated by the Water Board, in Purchase street, that thoroughfare should receive the same treatment. William street and Acushnet avenue, at the new postoffice; Union street, from Fourth to Water; and Water street, from Union street south, the entire length, needs the same improvement.

The first cost of block paving is quite large, but it at once makes a decrease in the item of repairs to the city and the individual, as well. Teaming over a comparatively smooth surface instead of the rough cobbles means a great saving to the individual, as wagons, carts, gears, etc., will cost much less for maintenance and repairs. In this one item of improvements, this city is far behind other cities of the same size. Five hundred thousand blocks

should be laid each year, if the money required could be placed at your disposal.

Curbing. — Twenty-five thousand nine hundred thirty-eight feet of curbing has been laid the past year. With this unusual length of curbing laid, the department is far from meeting the growth and in no way meeting the general demand. The laying of a curbing is an improvement that at once raises a mud road to the dignity of a street.

The sidewalks are separated from the roadway and can be kept for foot travel and furnish a permanent grade and line by which to carry off surface water.

A large share of the curbing has been laid in the tenement sections of the city, and should be continued the coming year. In these districts there are a great number of people to each block of the street, all foot travellers, and they should be provided with safe sidewalks.

There is urgent need of placing more curbing in these districts that have been built up with houses for years. I must warn you under this item that you are not keeping pace with the growth, by any means.

Crosswalks. — The adoption of a width of twenty-four inches for all granite crosswalks is a decided improvement. Two lines of this width side by side make an elegant walk.

As far as practicable during the past year the twenty-four-inch stone walks have replaced the narrow width in making permanent improvements. Owing to a lack of crosswalk stone, late this fall (November) the experiment was tried of laying concrete crosswalks in cold weather. This has proved a dismal failure, as the mixture chilled before it could be rolled solid. Wherever these walks have been subjected to heavy travel they have failed more

or less and will have to be rebuilt the coming year. As far as possible the concrete crosswalks should be laid in the heat of summer.

Concreting. — One gang at this work is all that could be carried this year with the appropriation. We are rapidly losing ground on the proportion of streets provided with sidewalks to the mileage of accepted streets. This work should be pushed, and the force doubled for the year 1893. The larger the force, the more economical and efficient the work accomplished.

Concrete walks should be laid on some of the new thoroughfares to accommodate the outlying clusters of houses. Especially is this necessary on the north and south streets in the west part of the city. The rapid growth of the city should be met by the extension of the walks to meet the demand of the general travel.

Flagging. — The new departure of buying the flagstones squared and trimmed ready for laying, has been a wise move. It hastens the work, costs less when laid, and avoids a large part of the delay and obstruction to travel caused by the old method of trimming on the work. The limiting of the width of flagstones to two feet has made better walks. At least twenty-five thousand square feet should be called for. This amount would not meet the demand for repairs alone, and could be used to good advantage.

Bank Walls. — The heavy wall at Clarks cove has been extended to a point west of Bonney street. The waves, in high winds from the south, in striking this wall, are thrown high in the air by the nearly perpendicular face of this wall, and carried by the wind onto the roadway, causing inconvenience to travel and some washing

of the present narrow roadway. I would renew the suggestion contained in my last Report, that a heavy stone capping, similar to the sample at the foot of Crapo street, be extended along the entire length of the wall, — this cap stone to project six inches beyond the face of the wall. The water, when thrown up by the face of the wall, will be caught by the projecting cap stone and thrown back into the cove.

Amount brought forward from 1891,	$4,750.07
Credits,	3.38
	$4,753.45
Expended, 1892,	2,564.52
Balance transferred to other accounts outside Public Works,	$2,188.93

Street Cleaning. — The street sweeping was discontinued early the past fall, owing to a lack of funds. Money enough should be provided to carry on the street cleaning throughout the year. Stopping the work of cleaning in the fall is a mistake, for the accumulation of dirt is a source of trouble during all the winter months, obstructing the gutters, blowing into stores and houses, forming a thick paste for the travelling public to carry onto the sidewalks and walk through, and in many ways becoming a serious nuisance.

Ashes and Rubbish. — This item of expense will be increased the coming year by the addition of territory, due to the growth of the city.

The removal of swill and offal from the ashes and rubbish has been a long needed improvement, and the Board of Health should be commended for the step taken. The improvement can be best appreciated by the residents on

new streets where the ashes and rubbish are dumped as filling.

CITY YARD.

City Stable. — The stall room has been increased by removing the room formerly occupied by the hostler and building five stalls in its place.

Closets have been provided, and each man has one in which to stow his belongings, — hats, coats, rubber clothes, boots, whips, or other personal property. Each man, if he so desires, can lock his closet by procuring a pad-lock.

The erection of the new building of brick will be of great convenience to the department in providing sufficient room for the blacksmith, machine, carpenter, and paint shops. This building is nearly completed and will be ready for occupancy in January, 1893.

Teaming. — January 1st, 1892, the department had thirty-four horses. Sold during the year, one, one died, and bought four. On hand, December 31st, 1892, thirty-six horses.

The necessity for more shed room grows more apparent, and should be undertaken as a matter of economy in maintenance and repairs. This is more apparent at the present time than usual, as the fire department has part of the present shed room occupied by Number 5 steam fire engine.

STABLE AND TEAMING ACCOUNT.

Stock on hand, January 1, 1892 (horses, teams, harnesses, hay, straw, grain, etc.),	$14,013.54
Gross cost for 1892,	34,243.32
	$48,256.86

Received from Water Works (board of horses),	$537.14	
From general sewers (board of horse),	208.00	
From Fire Department (board of horses),	166.28	
For stable dressing,	441.25	
For pork,	58.02	
For horse,	50.10	
For buggy,	15.00	
For old cart tire,	1.15	
For hay racks, scuttles, etc.,	18.67	
For bureau,	4.00	
From sundry persons,	124.57	
Stock on hand, January 1, 1893 (horses, teams, harnesses, hay, straw, grain, etc.),	13,881.75	$15,505.93
Cost of teaming (this includes repairs of building and revaluation of stock on hand),		$32,750.93
Charged for work teams have done,		$29,592.39

Blacksmith Shop. — The work of the blacksmith shop continues to show the same good result. It is intended to run the forges with machine blowers as soon as the blacksmith occupies the new building, now about completed. The work of removing the shop to the new building is now going on.

The usual statement of work follows:

Stock on hand, January 1, 1892,		$1,594.62
Gross cost for 1892,		4,710.07
		$6,304.69
Charged to Sewers,	$2,128.80	
Water Works,	16.66	
N. B. and F. Bridge,	13.52	
Parks and Squares,	38.29	
Public Works, per improvements,	21.61	
N. B. Fire Department,	1.25	
Stock on hand, January 1, 1893,	1,808.98	4,029.11
Cost of blacksmithing to Street Department,		$2,275.58

This includes the following charges, at lowest prices, to various accounts of the Street Department:

Two new carts, repairing and rebuilding old carts,	$1,681.22
Horse shoeing,	828.00
Repairs in stable,	119.99
Repairs on steam road roller,	31.74
Repairs in roller house,	10.95
Repairs on crushers,	161.57
Repairs on street sweeper,	39.15
Repairs on tool houses,	36.10
Repairs in carpenter shop,	5.68
Repairs on carriage shed,	7.80
Repairs on road harrow,	4.14
Repairs on stone roller,	10.10
Repairs on stable yard gate,	10.00
Work on derricks,	25.00
Miscellaneous repairs to tools, etc.,	2,420.67
	$5,392.11

Machine Shop. — The north end of the lower floor of the new building, together with the old roller house, will form the machine shop; a door is now being cut through between the two buildings.

This shop should be fitted up with the necessary machines and tools at once. With a competent machinist in charge to look after the growing needs of the department it will be meeting a long-felt want.

Carpenter Shop. — The new shop, to occupy the upper story of the new building, will be a much needed improvement, and give the required room for carrying on the work. A room will be partitioned off at the south end of the carpenter shop for painting carts. The saw table, at present located in the roller house, will be moved into this shop, and a band saw should be added.

Widening Streets. — Since the last Report, it has been decided to widen Pleasant street ten feet on the east side, from Union to William. This will make a street of

fifty feet in width from Union to Kempton. I would again call your attention to Purchase street, from Union to Maxfield. The new building to be erected on the site of old Liberty Hall should be built six and one-half feet back from its present location, making Purchase street fifty feet wide at that point.

Street Grades. — The establishing of proper grades of all accepted streets in the low lands, referred to in my previous Reports, should receive early attention, as expensive buildings may be erected at any time.

This is a most important improvement for the future welfare and good of the city, and should receive more than a passing glance.

Much can be written on this one subject. The fact that it will save costly changes in the future, and can be accomplished at little or no expense at present, should be sufficient cause for immediate attention.

SEWERS.

The details of construction of the various sewers laid in 1892 are fully set forth in the appended table.

Sawyer street sewer was completed early the past year. The sewer was carried into Purchase street on a curve of fifty feet radius. After standing some time, to allow the cement to thoroughly harden, connection was made with the Purchase street sewer, and the drainage of the valley north of Sawyer street turned into it. At the crossing of the Copper Works brook, just east of the Old Colony railroad, an overflow for the brook is provided, so that whenever the brook exceeds the capacity of the pipe culvert under Sawyer street the overflow will drop directly into the sewer through two eighteen-inch pipes. This overflow will prevent any flooding of the property below,

as in case of trouble of that nature the culvert can be closed and the full capacity of the brook run into the sewer. Under the Old Colony railroad tracks, there was encountered from one to four feet of ledge in the bottom of the trench. Four lines of track cross the street at this point. All trains crossed the trench at full speed during the entire time of construction.

Grape Street Sewer Extension. — This work was ordered by the Board, April 25th, 1892. At a meeting of the City Council, April 28th, an order for the appropriation was laid on the table. At a meeting of the Board, July 5th, 1892, a communication was sent to the City Council urging the necessity of this sewer. July 15th, 1892, the order for the appropriation was passed. July 21st, 1892, work was started. I state the above action on this work as the whole summer was unusually good weather for sewer construction, and the lateness of the appropriation carried the work into the bad weather of the winter.

I am of the opinion that if the appropriation had been made earlier, the advantage of good weather and dry digging would have carried the sewer to the brook, as we were apparently running clear of the ledge when we left off.

This portion of the sewer is the deepest in the city at present.

Work on this sewer was pushed as rapidly as possible, using from two to four steam drills night and day. The purchase and use of a steam hoisting engine on this sewer was an important factor in cheapening the cost of handling the rock and earth in the deep trench. Two platform derricks of home manufacture were used, both run from one engine.

In front of the archway of the Rural cemetery, the sewer was built in a tunnel for forty-three feet. This was thought to be the safest method, as the stone arch over the entrance to the Rural cemetery, of many tons' weight, stands only fifteen feet from the line of the sewer trench, which is over twenty-four feet deep at this point.

This work should be continued the coming year. This sewer is to provide drainage for the valley west of Rural, Brigham, and Rotch streets, and extending north to Cannonville.

The sooner drainage is provided, the quicker this valley will be built up. Demands are being made constantly for drainage in this section, but no outlet can be provided until this sewer is carried further north.

The brick sewer in Orchard street, from the Howland Mill No. 2 to the Rotch Spinning Corporation, was rendered quite costly by the depth of the marsh mud which made it necessary to build a stone and cement foundation. This foundation was fifteen feet wide at the bottom and carried up half the height of the four-foot brick sewer. About fourteen hundred tons of stone was used for this purpose.

The sewer in Peckham street, from County street west, was laid between two large water pipes of sixteen and thirty inches diameter. These pipes were from five to ten feet apart. The water pipes were slung from timbers placed twelve feet apart and the sewer laid at a depth of twelve feet below the street grade.

The addition of a hoisting engine and four steam drills during the year has tended to reduce the cost of work and should be supplemented the coming year by the addition of not less than two steam drills and another hoisting engine.

The drill boilers have been bought of a sufficient capacity to run two drills at once, and from one to two

drills can be run from the boiler of the hoisting engine, withour impairing its efficiency.

These improvements in methods of handling material should be continued. Some of the many sewer excavators run on an overhead track should be purchased and used, as being more economical and efficient. Another item that would be appreciated by the use of an overhead track and excavator in this city of narrow streets would be the freedom of the streets from great piles of earth, on one or both sides of the street, such as is made necessary by the present methods.

The method suggested, in short, is to handle the material excavated only once, — to excavate the first short section of trench and begin construction of the sewer, and, as fast as the material is shovelled into buckets at the front of the work, to be hoisted, and carried by the overhead track back to the finished section of the trench and dumped in its final resting place. This saves all but one handling, and, as can readily be seen, saves nearly its entire cost on its first piece of work of any depth and length.

We are now in possession of one of the most important parts of this system, the hoisting engine. I would urge the purchase of a second hoisting engine on the same score of efficiency and economy.

Lowering Sewers. — I would call your attention to the need of lowering all the sewers in the central part of the city in the near future. I am informed by the Superintendent of Water Works that the work of relaying the water main in Purchase and Union streets, not accomplished as expected the past year, will surely be carried out the coming season. This work will necessitate the tearing up of these important thoroughfares.

The sewer in Union street should be lowered from Fourth

street to the west side of Sixth street, to accommodate the new buildings to be erected, and the sewer in William street should be lowered from City Hall east at least as far as Acushnet avenue.

It would be much better in this case if the work of lowering could begin on William street sewer at Water street.

If the money were only available, it would be a good idea to begin the systematic expenditure of a certain sum each year, say $10,000 to $20,000, for the lowering of sewers, to keep pace with the growing demand for this kind of improvement. It would also be a strong inducement for building, as the cost of drainage for a first class building would be no more than for a cheap, one story, wooden building with little or no cellar space.

The work of beginning to lower a sewer in the middle of its length is costly, as the money expended on the first part in reaching the required depth is an outlay for work that at some future day will require relaying.

Catch-Basins. — The addition of the catch-basins constructed the past year has shown the good effect in sections where they are built. The effect is to reduce the washing of the highways by taking the water into the sewers often enough to prevent the accumulated wash of several blocks to get under headway down the sharp grades of many of the streets of the city.

These basins are built, for economy, with flag covers for the present, but whenever the city shall decide to replace these somewhat unsightly covers with granite cover stones, the basins will be all ready for that improvement.

For a number of years in the past, little or no work of this nature was accomplished, and, as a result, the present

has to provide the basins that should have been built years ago.

A large number of the old basins are so situated as to require a second one to take care of one block, when one would have done the work if properly located. The old style of basin, built out under the street, is fast becoming a source of danger to the heavy teaming to which the streets are being subjected, and should be abolished on the main thoroughfares at an early day.

A cast iron trap has been used the past year. This trap prevents the possibility of foul smell from the sewer at any season, whether the basin be empty or partially full of water. I would recommend their continued use in all basins for the future.

The order of the Board that the department shall lay and repair all drains in the streets has been in operation the entire season. The appended table gives the result of the year's work in this line.

NEW BEDFORD AND FAIRHAVEN BRIDGE.

The following report of the draw tender, for the year ending December 31st, 1892, shows the number and kind of vessels for which the draw has been opened:

Month.	Boats.	Schooners.	Ships & barks.	Tugs.	Barges.	Total.
January,	26	14		19	1	60
February,	1	22		24	1	48
March,	10	34		36	4	84
April,	63	45		69	19	196
May,	118	36	1	80	41	276
June,	135	39	1	59	22	256
July,	196	51	1	92	22	362
August,	198	49		74	18	339
September,	190	51	1	88	17	347
October,	108	68		71	3	250
November,	28	65		80	6	179
December,	6	44		63	6	119
	1,079	518	4	755	160	2,516

ENGINEERING DEPARTMENT.

About nine-tenths of the engineering work of the city is under the control of the Board of Public Works. When this office was first established, in 1890, the expense was paid out of the various accounts for which work was performed, — mostly met by the appropriation for highways and streets.

In 1891 the City Council saw fit to make a special appropriation for this work, and again during the past year.

In the beginning of the work of this office, in 1890, all the instruments, desks, draughting tables, plans, etc., in possession of the City Land Surveyor, were turned into the department of that official. This at once placed the office in good trim for work at little expense.

All engineering work of public works is directly under the control of the Board, the Superintendent of Public Works acting as City Engineer. Mr. George H. Nye is the assistant in direct charge of the work. All engineering work in any way connected with the streets is under the supervision of this office.

During the past year, grades and lines have been given on every piece of work where needed, and with little or no delay in any case. At times, the office has been taxed beyond its present capacity. Work relating to property lines, with which the department would have only a limited experience, has been procured of A. B. Drake, civil engineer.

Last fall it was intended to make the sewer assessment plans from this office, but owing to sickness, and the loss of the services of the principal office assistant, W. J. Channing, from illness, this was impossible.

Street Grades. — During the year grades and lines

have been furnished for the Street Department as follows:

	Grades.	Lines.
Curbing,	62	7
Gutters,	7	5
Grading streets,	34	5
Drains,	26	3
Catch-basins,	30	0
Bank wall,	2	2
Culverts,	1	0
	162	22

In addition to the work of this department, the Water Department has been furnished with forty-seven grades at the expense of this office.

It has been the practice of the department to provide street grades, to encourage owners and builders to build to a proper height. The city furnishes the grade once. If it is necessary to go the second time it is at the owner's expense. Grades furnished, 197.

Profiles of streets in the centre of the city for three private parties and three for city departments have been furnished for use of architects in planning new buildings of importance.

During the year, grades were defined on seventy-three streets or portions of streets. Levels were taken on forty-eight and profiles made.

Preliminary levels were run on seven streets, varying from two hundred feet to one mile in length. All these levels and grades are referenced to the city datum, and in most cases are for grades furnished property owners in advance of the acceptance of the street.

The record of street grades has been collected and put in serviceable shape. Each grade is copied on a card, and the cards are kept in alphabetical order. This

arrangement has proved a great convenience, and allows for orderly expansion of the work.

The work of running accurate levels, to reduce all bench marks to a common datum, was undertaken in 1891. On account of a lack of time, this work has hardly been touched the past year.

Street Layouts. — The number of street layouts made during the year was thirty-two. Twenty-six of these layouts were accepted, — a total length of 22,164.51 feet, or 4.20 miles. Six have not yet been accepted, — a total length of 10,295 feet, or 1.95 miles.

In pursuance of the policy the Board has pursued since its establishment, of defining the lines of streets where called for in cutting up new land, if approved by the Board, has been followed during the past year. Fourteen streets have been thus defined. The lines of six old streets have been fully and clearly defined.

The work of putting all street plans, profiles, and notes in convenient and serviceable shape is being pushed as fast as other work will permit. The plans and profiles are made of uniform sizes.

The old records are being looked up and referenced for future use. A special form of card in the card index has been prepared, marked "Street Record," showing as follows:

1. One card for each acceptance.
2. The exact portion of street accepted.
3. Width of street.
4. Date of acceptance and reference to it.
5. Reference to record in book of street layouts.
6. Reference by number to the official plan.

7. A card giving full details of all widening, with above references.

8. A card giving reference to action taken in changing the name of streets.

All this work is very necessary, as the information is scattered in all conceivable shapes. Ready reference means an increase in the efficiency of the office.

When the macadaming of Acushnet avenue, near Phillips road, was undertaken, the county commissioners' records were looked over and that avenue was found to have been laid out in 1828, fifty feet wide.

The east line, having been defined by bound stones, has remained approximately in the correct line. The abutters on the west side had taken from 0 to 10 feet or more of the highway as laid out. Levels were taken over the entire avenue and a proper grade made, and when construction began the walls on the west side were set back on the correct line, and the street work done in accordance with that line and grade.

Sewers. — All engineering work on construction of sewers is in charge of this department. Thirty-seven sewers were built, of a total length of 18,904 feet, or 3.58 miles. This has called for 133 grades and forty-one lines, sixty-three separate trips from office to measure branches, thirty-five separate trips from office to measure ledge, and other necessary detail; — this, in addition to the constant oversight of the Superintendent and men from this office.

Each sewer, when ordered, is carefully planned out in all details. Two blue prints are made, one to go to the general foreman at the city yard, who provides all material; the other, to the foreman on the work, for his guidance in the construction.

Each plan shows the location of connections for sewers in side streets, and catch-basins, manholes, etc.; the length of straight pipe, number and size of branches, number of manholes.

Sewer Records. — The City Ordinances require that a book shall be kept containing plans of all sewers. In this are to be recorded the assessment plans. Previous to 1879, no profiles giving grades or depths were made or preserved. Since about 1887 all sewers are laid to grades furnished.

Since branches have been laid for each connecting drain or sewer, and the records made more exact, these books have been found too small to make all entries in a satisfactory manner. At present they are used to record the assessment plan and the main features of the profile.

The true record, with all figures which can be of any use in the future, is made on bond paper and filed and indexed in the same manner as the plans of street layouts. In addition to these, a table is made up similar to the table of sewers given in this Report, containing, in addition to the summary of the year's work, all such facts and figures with relation to the construction of the sewer as may seem of special interest. This serves as a guide in estimating costs of other sewers under similar conditions, the success or failure of certain methods of overcoming obstacles in construction, etc. It also serves as a record when ledge is encountered and at what depth.

Drains. — All records of drains and location are kept by this office. The city lays and repairs all drains in the streets.

The system in full is as follows:

The applicant for a new drain gets a permit to drain his

premises from the Board of Health; provided with this necessary permit, the applicant signs a numbered contract in the Public Works office. A numbered order is sent to the general foreman. The same order is returned by foreman doing the work, giving all items of expense on the back. The charge is made to the owner and bill sent. These permits, contracts, orders, and returns are filed by number, for future reference. The engineering work is to furnish the location of the nearest branch, if any.

Grades are given if the drains are long or flat. Regular minimum grade, two per cent., or two feet in each one hundred feet. Least allowable grade, only given in unavoidable cases, one per cent., or one foot in each one hundred.

After the drain is laid, its location is defined by measure. The record is made in the card index, as follows:

DRAIN	FOSTER ST.
Permit	MIDDLE TO HIGH.
No. 1022—1892.	
	HOUSE.
From property of	
Located	
Account	
	See High st., Foster to County.

The face of the card reads as shown when the building is on a street off the line of the sewer.

The record card is shown as below, front and back.

Front of Card.

DRAIN	HIGH ST.
Permit	FOSTER TO COUNTY.
No. 1022—1892.	Enters High st. Sewer 9^{20} ft. w. of e. l.

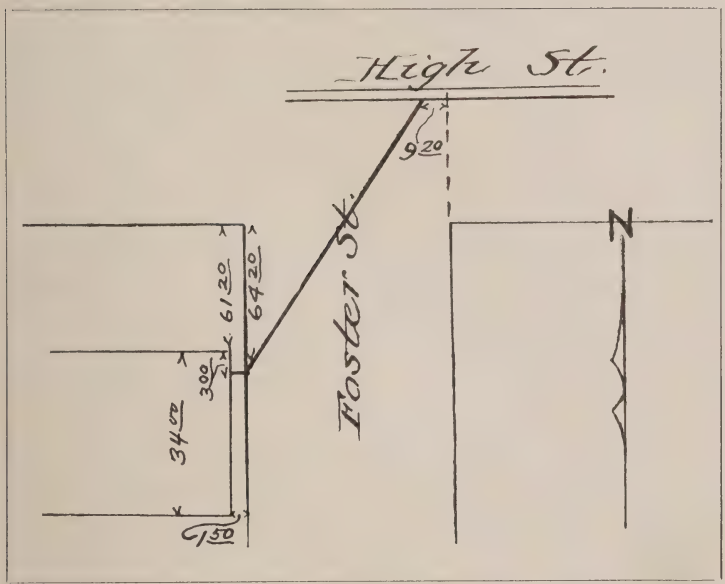
Foster st. 5″ p. June 1, 1892, at 10 a. m., by John Holland.

From property of City of New Bedford.

Located, Foster, w. s. 64^{20} s. of High st.

Account, Misc. Ledger, p. 232, 1892.

Back of Card.



The drains are then platted on the sewer maps. The yearly statement is made up in this office as shown on the statement of drains laid, cost, etc.

New Work. — During the year 1892, all the new work of the Department of Public Works has been accurately located and measured by this office and a careful record made of the same. From these measures, all charges of private work done, as on concrete, etc., have been made. During the year, there has been thus located all the work of which the tables in this Report are a condensed statement.

Catch-Basin Plans. — For each catch-basin built, a plan has been made showing the dimensions of the basin, the location and size of the outlet drain, and the amount and cost of material and labor.

Although perhaps the least important of any of the plans in this office, they have already demonstrated their usefulness on several occasions.

It would be a great advantage could we know the details of some of the older catch-basins of which we have no record and no means of finding any.

These plans will one day furnish such information in regard to work now being done as we now wish we had of past work.

Street Numbers. — During the past year seven streets were numbered throughout and many single houses were numbered.

Bound Stones. — Eighty-seven bound stones were set during the year to define street lines and a plan made showing the location of all bounds as far as known.

Section Plans. — For the purposes of convenient record, we have a set of plans of the whole city, on which are shown all sewers, catch-basins, eyeholes, culverts, manholes, drains, or anything laid by the department and more or less covered up, or of such a nature as to require care in maintenance. These plans are not only a great convenience but an absolute necessity.

In their present state they are inaccurate, however, and if a certain thing is measured thereon from one street, it may vary as much as ten feet from its true position, which had been drawn by measuring from the opposite end of the block.

The original of these plans were made from rough and careless measures, over seventeen years ago, and then copied after standing some ten years, so that on these plans we have, in addition to carelessness, the shrinkage of two sets of plans. These plans should be made over, and made from careful surveys.

All survey work of this office is carried on with this ultimate object in view.

Dredging. — This work was directly in charge of this office. There had been many claims of docks being filled by deposit from sewers, at the beginning of the year. The following docks were dredged:

Walnut street — Philadelphia & Reading Coal & Iron Company.

School street — N. B., M. V. & Nantucket Steamboat Company.

Coffin street — Hart & Akin.

Maxfield street — Denison Brothers.

Elm street — Old Colony Railroad Company.

While this work was in progress this office furnished a man for inspecting the work. His duty was to keep run of the total time charged for, the actual time run, length

of stops, cause, etc.; in case of any detention by tugs to report same (the reduction in the bill, for this cause alone, nearly paying the inspector's time); to see that all the sewer mud and soft material was removed, that nothing else was removed, that no wharf walls were disturbed, to keep run of the amount of deposit removed from each place and on each day, and to keep run of the character of material removed.

As soon as the docks were dredged, soundings were taken and referred to city levels. Plans were then made of these docks, with depths of soundings.

In future, when claims are made of the filling of these docks, soundings can be taken and the claim determined. In case the dock is filled and the city has to bear the expense of dredging, it can be determined very nearly the amount to be taken out by taking soundings over the surface of the bottom and comparing with the plans. The material removed was generally black mud and composed, possibly, of ten per cent. sewer deposit and ninety per cent. of silt, or river mud. A large portion of this looks like coal dust, and the sign at one dock, "Sweepings must not be thrown in dock," points toward an explanation of this. At one wooden wharf a hydrant stream was used to wash a deposit of at least one-quarter of an inch of sand, dirt, lime, etc., into the dock. Considerable sand was found directly at the mouth of the sewers, slight amounts being found fifty or sixty feet from the mouth, but the bulk being within the first thirty feet.

Office Work. — Under this head there is a large volume of work of such minor character as to seem endless when given in detail, although it is very necessary and consumes a large portion of the time.

It has been the custom to charge under this head such work as attending to the wants and inquiries of all who call for information, office accounts, numbering plans, books, etc., correcting maps for this and other city offices, small plans made up for the Board, notices served, owners or deeds looked up, etc.

Under the head of miscellaneous are charged such work, for instance in 1892, as sets of maps showing all macadam and paved streets, sets of maps showing all sewers, various tables of reference for office use, work on Annual Report, surveying for two law cases for damage from city, plans for running streets across two pieces of property; plan of one piece of property lately cut up, with deeds of same for assessors; measures and plans of new building at City Stable Yard, locating various manholes and drains for department, grade for private work in cutting an unaccepted street, street lines given for various purposes to private parties; all flagging, curbing, crosswalk stones, etc., received and paid for by the city, has been measured by this office (bills are made up from these figures); the quantity of gravel from one hill cross-sectioned and computed, the filling of one street by private parties measured, levels run and plans made showing changes which can be made in the old New Bedford and Fairhaven bridge, posting sewer assessments in our own and the City Treasurer's books; measures of widths of Fourth street, Union to Potomska, with reference to laying a double track street railway, and plan of same; levels and soundings taken at Turner's mill pond, with reference to foundation for bank wall; a thorough and careful inspection made of Sawyer street sewer from the river to Purchase street, and of brick sewer in Bonney, Rockland, and Oak streets. Add to this a long list of minor work and it will complete the miscellaneous item.

Card Index. — One of the worst features of an office doing such a variety of work, is to clearly and plainly indicate where the information wanted can be found. By the system being carried out in this office of indexing by cards, it is expected to have the references stated so clearly that any person can pick the work up at any time and find any information that is in the office. To accomplish this all plans are numbered and placed in drawers in order of numbering. All book records are numbered and paged. An index case, capable of holding eighteen thousand cards, stands in the office, and the indexing is going on all the time.

All references are made by street and block, so that starting at the south or east end of a street, the index will give in regular order the reference to all information on each block. Thus it can be seen that a glance at the top of a half dozen cards under the particular street on which the information is sought will locate all the information on record with relation to the particular block of street looked up.

The beauty of this index is that work can be indexed at any time without reference to past, present, or future work, and the index will always be in order and capable of enlargement indefinitely. This is the best index I have been able to find, and well adapted to all work of ready reference.

Street Railways. — This office furnished lines and grades for the extension of the Union Street Railway tracks in Dartmouth street, the past year, also for relaying the track in Summer street, from Sycamore to Parker street. In the latter case, the grade was much improved by the change.

PARKS. — The order for the survey of the two park sites purchased during the year, and of the government land at Clarks point, the use of which was granted to the city during the year, is on file in this office.

PLOTTING SYSTEM. — This work was placed in charge of this office by the City Council in February of 1892, at the request of His Honor the Mayor, Charles S. Ashley. The system, in detail, is as follows:

The city is divided into sections, each section to be plotted on a scale of eighty (80) feet to an inch. A sample section would comprise the territory bounded by Purchase, Union, Cottage, and Kempton streets. Each section will bear a number relative to the number of sections the city is divided into. All the various lots of land are to be plotted in each section, each lot to have a number beginning at number one with each section, each lot to be marked with a number, the area in square feet, and the dimensions by deed or survey, or both. With each section is to be a record book bearing the same number as the section plan to which it refers. On page one of this book will be entered lot one of the section, and so on with each lot of the section, through the book.

The entry, if obtainable, will give the name of the owner, of whom purchased, the area, the book, page, and year of the transfer recorded at the Registry of Deeds or the Registry of Probate, and any other detailed information of interest. In this manner the section plans remain unchanged when owners change, unless the dimensions of the lot are altered.

If a lot is combined with another, the dimensions on the plan are changed, and one number dropped from the plan. In dividing a lot, the change in the lot is made and a new number given. A record is kept of these numbers dropped and of numbers added on the section plan.

When a number is dropped or added to the section plan, cross references are made in the book, showing when the changes were made and of what nature. By this method lots can be traced back or forward the length of the record for any number of years and be clearly intelligible to any one. As it will be a system that must be constantly kept up to date to be useful, it has been deemed best not to finish the plans nearly completed at this date, but to push steadily along with the ultimate object in view; placing the finishing of the plans at as late a date as possible, thereby avoiding the work of beginning the changes that transfers of real estate would make necessary at once upon the completion of the plans.

The work at this date has been nearly completed in the above territory, bounded by Union street, Rockdale avenue, Kempton, Ash, and Maxfield streets, and the Acushnet river, including Fish and Popes islands.

As the sum of money remaining to the credit of this office at this date is not sufficient to pay for the work accomplished, it was agreed that for the total sum paid — $6,560 — the plans should be completed in the following territory: Union street, Rockdale avenue, Kempton, Purchase, and Maxfield streets, and the Acushnet river, including Fish island.

As at present constituted, this office was not capable of handling this amount of work, for which reason, together with the lack of familiarity with the property lines, the work was ordered of A. B. Drake, civil engineer.

From the plans, tracings can be made for the use of the assessors and a duplicate set of books kept in their office. This arrangement would fill the want of both offices, and provide a duplicate set in case of fire.

There are endless varieties of uses to which these plans can be put and they will be the basis of all engineering work. Street layouts can be readily and accurately

determined and improvements of all kinds projected with relation to the needs of the city as a whole. Records can be made with no delay to search out the owners and make surveys to determine the lines. Assessments can be made quickly and accurately, and at almost no expense, avoiding the delays made at present on account of a lack of time and help. I feel warranted in asserting that the efficiency of this office will be increased in this manner at least one-third.

Previous to the establishment of the Board of Public Works, all engineering work done for the city by the City Land Surveyor was a hit and miss style of work that was of little or no value to the city, from the disconnected manner of doing the work and an utter lack of an idea of connecting with past or future work. All work is now carried on with an idea of a connected relation of one improvement with another, — past, present, and future.

CIVIL SERVICE.

The end of another year more thoroughly confirms the use and good that come from the introduction of the civil service in this city.

Respectfully submitted.

A. B. DRAKE,

Superintendent of Public Works.

Streets Accepted.

Street.	Location.	Feet in length.				
		30 ft. wide.	40 ft. wide.	50 ft. wide.	60 ft. wide.	66 ft. wide.
Armour,	Union to Court,			217.36		
Ashland,	Durfee to Clark,		806.49			
Bay,	Ward to Columbia,			245.75		
Belleville road,	Howard avenue to Main street,				1,960.05	
Blackburn,	Cedar Grove, north 247.66 feet,		247.66			
Church,	Nash road, south 433.42 feet,			433.42		
"	Nash road to Tarkiln hill road,				5,285.00	
Elm,	Chancery to Park,		253.30			
Field,	Stowell street to Rural cemetery,		822.90			
"	Rural cemetery to Allen street,			790.42		
Front,	Blackmer to Rivet,		249.00			
"	From 127 feet north of Sawyer to Holly,			109.02		
Grand,	Shawmut avenue to Rockdale avenue,			3,495.80		
Hemlock,	Rockland, south 236.72 feet,			236.72		
Holly,	Bowditch to Brook,			564.83		
Howard avenue,	Acushnet river to River road,				356.00	
Jenney,	Court to Kempton,	1,009.50				
Jouvett,	County to Crapo,			1,071.47		
King's highway,	Tarkiln hill road to Mount Pleasant street,					2,155.92
Maple,	Ash to Tremont,			1,482.50		
McGurk,	Middle Point road to Cove street,			871.23		
Mitchell,	Coggeshall to Sawyer,			717.80		
Palmer,	Elm to Kempton,		528.02			
River road,	Howard avenue, south 526.21 feet,			526.21		
Rivet,	Front to Water,		165.18			
Rock,	Washburn to Coggeshall,			800.30		
Rounds,	Elm to Kempton,		528.18			

Scott,	County to Crapo,			1,090.99		
Second,	Cove to Division,		263.40	388.12		
Spooner,	Lombard to Dartmouth,			326.05		
Weaver,	Dartmouth to Field,		639.53			
Total, 31 streets,		1,009.50	4,503.66	13,367.99	7,601.05	2,155.92

Streets Discontinued.

Church,	Nash road, south 385.70 feet,			385.70		
Total increase of accepted streets for the year,		1,009.50	4,503.66	12,982.29	7,601.05	2,155.92

Total, 28,252.42 feet, or 5.350 miles.

Streets Widened.

Street.	Location.	Amount of widening.	Former Width.	Present Width.
Belleville road,	Belleville wharf to Belleville avenue,	10 feet on each side.	40	60
Howard avenue,	Vincent street to Belleville avenue,	From 22.52–84.63 on south side.	40	62.52–124.63
Pleasant,	Union to William,	10 feet on east side.	40	50

Names of Accepted or Contemplated Streets Changed.

Belleville road, Belleville wharf to Main street, changed to Belleville avenue.
Belleville road, River road to Belleville avenue, changed to Howard avenue.
Belleville road, Howard avenue to Main street, changed to River road.
Contemplated John street, Rural cemetery to Allen street, changed to Field street.
Rock street, Washburn street to Belleville wharf, changed to Belleville avenue.
Vincent street (contemplated), Howard avenue south, changed to River road.

Macadam, New.

Street.	Location.	Length. Feet.	Width. Feet.	Area. Sq. Yards.	Stone. Tons.	Cost.
Acushnet avenue,	North of Lund's corner,	1,651	22	4,036.63	1,876	$2,339.76
Ash,	Grove to Hawthorn,	368	18.6	736	269	401.45
"	Hillman to Sycamore,	573 42	17 20.5	1,178.34	436	674.37
Borden,	Allen to Bedford,	358	12.4	491.53	169	263.44
Butler,	Between E. French av. and Middle Point road,	1,175	18	2,219.44	843	1,445.88
City Stable Yard,					357	468.94
Coggeshall,	East of Bennett,	902	22.9	2,326.54	1,247	1,629.19
Cottage,	Morgan to Elm,	203	17	383.06	168	255.57
"	Elm to Middle,	175	17	331.34	148	202.35
"	Mill to North,	172	18.3	349.58	167	242.65
"	North to Hillman,	163	17.1	309.84	220	283.44
Fifth,	Wing to Grinnell,	542	16.8	1,011.73	413	637.07
"	Wing to Bedford,	370	17	699.45	261	403.21
Front,	Between Wamsutta and Logan,			355.30	103	160.09
Orchard,	Bedford to Grove,	411	16.7	760.31	305	480.38
Purchase,	Clark to Cedar Grove,	515	25	1,430.60	709	1,035.72
"	Cedar Grove to Coggeshall,	585	26	1,690	758	810.64
Second,	Howland to Griffin,	237 28	18.2 28.8	569.26	419	356.15
Smith,	County to Summer,	363	16.8	688.91	260	358.23
Spring,	Second street to Acushnet avenue,	186	17	352.28	149	317.42
Spruce,	Sycamore to Smith,	243	17.4	469.80	185	242.23

Macadam, New — *Concluded.*

Street.	Location.	Length. Feet.	Width. Feet.	Area. Sq. Yards.	Stone. Tons.	Cost.
Sycamore,	Thomas to Ash,	1,074	18			
		172	16.9			
		21	21			
		32	31.5			
		38	29			
		43				
		34	22	2,950.04	1,603	1,800.47
Wamsutta,	Between Front street and Acushnet avenue,			2,304.30	778	916.67
		10,676		25,644.28	11,843	$15,725.32

Total cost of new macadam, $15,725.32.
Cost of new macadam, per square yard, $.613.
Cost of new macadam, per ton of stone, $1.328.
Average tons stone used, per square yard, .462.

Macadam, Repaired.

Street.	Location.		Length. Feet.	Width. Feet.	Area. Sq. yards.	Stone. Tons.	Cost.
Acushnet av.,	Washburn to Cedar Grove,	Rebuilt.	378	23	967.28	287	$286.41
"	Cedar Grove to Coggeshall,	Rebuilt.	525		1,147.82	301	329.37
"	Coggeshall street to Coffin avenue,	Repairs.	877	22.5	2,194.46	305	397.41
"	Coffin avenue to Nash road,	Repairs.	934	22.1	2,295.56	339	409.00
"	Nash road to Belleville road,	Repairs.	945		2,317.62	746	813.41
"	Belleville avenue to Main street,	Repairs.	1,696		4,391.37	632	1,027.16
Allen,	Green to Dartmouth,	Rebuilt.			366.92	46	79.83
Cottage,	Between Dartmouth and Bay,	Repairs.				9	12.51
"	Court to Morgan,	Rebuilt.	201	17.6	393.06	175	260.45
County,	Between Sycamore and Smith,	Repairs.				31	39.97
"	Sycamore to Smith,	Rebuilt.	274	25.9	787.94	172	263.33
"	Smith to Campbell,	Rebuilt.	246	24.6	673.77	144	215.00
Dartmouth,	Between Harris and Hickory,	Repairs.	880		1,180.61	207	333.33
"	Between Borden and Allen,	Repairs.			1,366.45	594	509.15
High,	Between Purchase and Pleasant,	Rebuilt.	204	15.2	344.50	100	168.36
Hillman,	Square at Cottage,	Repairs.	9	24.8	25.90	11	11.74
Kempton,	Between County and Summer,	Repairs.				10	11.71
Madison,	Acushnet avenue to Fourth street,	Rebuilt.	208	17.7	410.20	100	176.86
Market,	Pleasant to Sixth,	Rebuilt.	203	23.8	537.95	143	225.92
Maxfield,	Purchase to Pleasant,	Rebuilt.	206	18.1	413.70	152	222.73
North,	Purchase to Pleasant,	Rebuilt.	216	17.1	410.40	209	271.94
Parker,	Between Cedar street and Shawmut avenue,	Repairs.	476	17.2	912.33	222	317.48
"	Between Shawmut av. and cemetery gate,	Repairs.			1,890.27	393	568.67
School,	Fourth to Fifth,	Rebuilt.	218	17.1	415.15	105	187.50
Sixth,	Between Grinnell and Wing,	Repairs.	523		1,168.14	223	352.37
"	Bedford to Russell,	Rebuilt.	312	16.8	583.15	107	194.99
Walnut.	Fourth to Fifth,	Rebuilt.	209	17.8	414.34	115	204.00

Macadam, Repaired — *Concluded.*

Street.	Location.		Length. Feet.	Width. Feet.	Area. Sq. Yards.	Stone. Tons.	Cost.
Water,	Between Union and William,	Repairs.				11	$20.58
Weld,	Between Bowditch and Purchase,	Repairs.				276	337.78
William,	Eighth to County,	Rebuilt.	186 35	20.1 21.5	501.15	199	306.82
Wing,	Sixth to County,	Rebuilt.	198	17.6	388.17	145	232.72
	Sundry small repairs,						967.20
			10,159		26,498.21	6,509	$9,755.76

Paving, New.

Street.	Location.	Block.			Cobble.			Cost.
		Length. Feet.	Width. Feet.	Area. Sq. yds.	Length. Feet.	Width. Feet.	Area. Sq. yds.	
Acushnet av.,	From south line Elm to north line High,	459.3	abt. 24	1,277.13				$3,156.79
Bridge,	North side on Popes Island (with concrete foundation),	732	abt. 9	723 .19				*
Elm,	Square at Cottage,				31.8	30	106	61.46
Fourth,	Potomska to Grinnell (east of car track),				1,245.2	abt. 10	1,395.20	689.59
Green,	West side Bedford south (around curve of car track),						21.95	11.59
Hillman,	North side between Ash and Chancery (driveway),	24.5 4	14 1	38.60				82.09
Potomska,	Water to Fourth,				847	abt. 19.6	1,868.51	834.19
Rivet,	Water to Fourth,				879.7	abt. 19	1,496.06	744.44
				2,038.92			4,887.72	$5,580.15

*Cost under N. B. & F. H. Bridge.

Total cost of paving, exclusive of bridge, $5,580.15.
Total cost of block paving, exclusive of bridge, $3,238.88.
Total cost of cobble paving, $2,341.27.
Cost per yard of block paving, $2.462.
Cost per yard of cobble paving, $.479.

Paving, Repaired.

Street.	Location.		Block.			Cobble.			Cost.
			Length. Feet.	Width. Feet.	Area. Sq. yds.	Length. Feet.	Width. Feet.	Area. Sq. yds.	
Acushnet av.,	Between Madison and Walnut,	Relaid.				250	18.6	516.66	$122.43
"	Between Walnut and School,	Relaid.				346.5	8	308	76.92
"	West side, between School and Spring,	Relaid.						40	9.10
"	West side, between Spring and Union,	Relaid.						163.04	46.43
"	Union to Pearl,	Repairs.							69.29
"	Square at Pearl,	Relaid.				38	31	130.88	45.89
"	Pearl to Weld,	Repairs.							808.76
"	East side, between Hicks and Washburn,	Relaid.						77.31	8.80
"	East side, south of Cedar Grove street,	Relaid.				53	3.5	20.60	5.24
Austin,	South side (walk), between Pleasant and County,	Repairs.							9.07
Bedford,	South side, square at Sixth,	Relaid.				28	12	37.33	21.06
"	North side, between Sixth and County (driveway),	Relaid.				34.5	5.5	21.08	6.41
"	North side, between Sixth and County,	New.						199.39	181.01
		Relaid.						213.11	
"	South side, square at County,	Relaid.				30	10	42.22	8.99
"	Between County and Green,	Relaid.						57	9.86
Bonney,	Square at Washington,	Relaid.				28.4	29.8	94.03	44.30
Cottage,	Square at Mill,	Relaid.				30	29.5	98.33	47.14
"	Square at North,	Relaid.				30.5	30	101.66	54.42
Elm,	Between Pleasant and Sixth,	Repairs.							19.18
Fifth,	Square at Wing,	Relaid.				30	29.5	98.33	51.41
Foster,	Middle to High,	Repairs.							5.11
Fourth,	At Potomska driveway,	Relaid.						79.78	39.10
Front,	Union to Middle,	Repairs.							198.14
"	Between Wamsutta and Logan,	Relaid.				186.5	6	124	26.41

Grinnell,	Between Prospect and Front,	Repairs.						5.80
Hazard,	Between Purchase and Pleasant,	Repairs.						15.00
Kempton,	Cedar, west,	Repairs.						837.36
Madison,	South side, between Acushnet avenue and Fourth street (driveway),	Relaid.			9.6	6	6.40	5.14
Middle,	Between Foster and Sixth,	Relaid.					253.44	130.22
Old Market sq.	East of Acushnet avenue,	Relaid.					486.09	111.32
Purchase,	West side, between Union and William,	Repairs.						4.15
"	Middle to Weld,	Repairs.						1,421.80
School,	Water to First,	Relaid.			173.2	18	346.40	196.05
"	First to Second,	Relaid.			173	19.3	370.90	
Second,	West side, between School and Spring,	Relaid.			218	3	72.66	23.86
Sixth,	Around fountain at junction of County,	Relaid.					102.64	52.03
"	Square at Wing,	Relaid.			30.8	29	118.69	38.13
Spring,	Square at Second,	Relaid.					124.88	68.13
"	Square at Acushnet avenue,	Relaid.					66.33	59.58
"	Between Acushnet av. and Fourth st.,	Repairs.						20.31
Summer,	Square at Sycamore,	Relaid.			29.3	24.3	79.11	27.69
Union,	East of Front,	Relaid.					80	26.61
"	Between Front and Water,	Repairs.						36.43
Walnut,	North side, west of First (driveway),	Relaid.			19.4	3	6.50	3.94
Water,	Rivet to Potomska,	Repairs.						5.78
"	Between Grinnell and Howland,	Relaid.			250	11	305.55	133.13
"	Between School and north line Union,	Relaid.					428.79	182.55
"	Between Middle and Hillman,	Repairs.						474.13
"	Square at North,	Relaid.			35	26	101.11	19.45
	Sundry small repairs,							493.01
							5,372.24	$6,306.04

Streets Filled and Graded.

Street.	Location.	Cost.
Acushnet av.,	North of Lunds corner,	$230.03
"	South of Phillips road,	376.19
Armour,	Between Union and Court,	29.01
Ashland,	" Durfee and Clark,	588.15
Atlantic,	" Arnold and Union,	109.84
Austin,	" County and Ashland,	11.60
Babbitt,	" Dartmouth and Field,	106.99
Bay,	" Ward and Columbia,	70.32
Belleville av.,	" Washburn and Coggeshall,	994.08
"	" Sawyer street and Coffin avenue,	142.87
"	" Belleville road and Main street,	2,609.48
Belleville rd.,	" Belleville and Acushnet avenues,	5.56
Blackburn,	" Cedar Grove and Coggeshall,	49.66
Blackmer,	" Front and Water,	59.63
Bonney,	" Thompson and Rockland,	5.89
Bowditch,	" Sawyer and Holly,	176.69
Braley,	" Acushnet avenue and O. C. R. R.,	6.21
Butler,	" E. French av. and Middle Point rd.,	761.75
Campbell,	" Cottage and Cedar,	31.51
"	" Shawmut avenue and Park street,	56.38
Cedar Grove,	" Purchase and County,	20.46
Chancery,	" Hawthorn and Arnold,	30.75
"	" Hillman and Sycamore,	22.31
Clark,	" Mt. Pleasant and Reynolds,	165.41
Clay,	" Grape and Bay,	19.62
Coggeshall,	" Purchase and County,	9.78
"	" County and Reynolds,	134.45
Columbia,	" Clay and Allen,	253.16
Cottage,	" Parker and Locust,	126.42
County,	" Weld and Clark,	91.51
Cove,	" Water and County,	98.33
Cove road,	" County and Orchard,	17.97
"	" Crapo and Orchard,	300.25
Dartmouth,	" Rockdale av. and Stowell street,	81.18
Davis,	" Belleville and Acushnet avenues,	58.25
Deane,	" " " "	192.83
"	" Acushnet av. and Bowditch street,	215.21
Division,	" County and Crapo,	4.22
Durfee,	" Shawmut and Rockdale avenues,	10.41
Elm,	" Front and Water,	60.93
"	" Chancery and Newton,	106.19
Emerson,	" Arnold and Union,	427.65
Field,	" Stowell street and Rural cemetery,	255.19
French av.,		187.98
Front,	" Potomska and South,	5.38
"	" Sawyer and Holly,	4.00
Fruit,	" Juniper and Dartmouth,	122.87
Gifford,	" East of Water,	20.18
Hall,	" Thompson and Rockland,	37.10
Harbor,	" Cove and Gifford,	274.59

STREETS FILLED AND GRADED—*Continued.*

Street.	Location.	Cost.
Hathaway rd.,	Between Mt. Pleasant st. and Dartmouth l.,	$288.65
Hawthorn,	" Brigham street and Dartmouth line,	1,858.56
Hemlock,	Rockland, south,	245.93
Hillman,	Between Ash and Chancery,	127.94
"	" Park and Florence,	675.24
Howard av.,	" Belleville avenue and River road,	87.20
Hyacinth,	" Rivet and Thompson,	75.81
Independence,	" County and Crapo,	451.58
Juniper,	" Larch and Fruit,	18.32
King's highway,	" Tarklin hill road and Mt. Pleasant street (cutting bushes),	99.26
Larch,	" Juniper and Dartmouth,	57.39
Lindsey,	" Court and Kempton,	96.97
Maple,	" Ash and Tremont,	330.69
Maxfield,	" Ash street and Rockdale avenue,	108.14
McGurk,	" Middle Point road and Cove street,	332.71
Middle P. rd.,	Whole length,	205.00
Mitchell,	Between Coggeshall and Sawyer,	1,601.98
Mt. Pleasant,	" O. C. R. R. and Tarklin hill road,	80.33
Myrtle,	" Linden and Clark,	220.39
Nash road,	" Acushnet av. and Mt. Pleasant st.,	26.92
Nelson,	" County and Crapo,	207.56
Oak,	" Grape and Allen,	8.55
Orchard,	" Mill road No. 4 and Rivet street,	3,165.28
Park,	" Arnold and Kempton,	161.40
"	" Smith and Parker,	77.10
Parker,	" Cemetery and Rockdale avenue,	19.66
Peckham,	" County and Mt. Pleasant,	31.08
Phillips road,	" Acushnet avenue and Braley road,	18.64
Plainville rd.,	" O. C. R. R. and Dartmouth line,	123.47
Pope,	Lagoon at O. C. R. R.,	133.17
Purchase,	At Austin,	10.09
Reed,	Between Arnold and Kempton,	9.40
Reynolds,	" Weld and Clark,	4.70
River,	Howard avenue south,	422.15
"	Between Belleville and Acushnet avenues,	65.89
Rivet,	" Hemlock and Dartmouth,	4.33
Rockdale av.,	" Allen and Hawthorn,	160.61
"	" Maxfield and Parker,	8.22
Rockland,	" County and Warwick,	5.80
Rotch avenue,	" Hawthorn and Arnold,	204.22
Sawyer,	" the river and Belleville avenue,	369.37
"	" Front and Purchase,	24.16
Scott,	" County and Crapo,	43.86
Second,	" Cove and Rivet,	47.71
Shawmut av.,	" Durfee and Grand,	162.73
"	" Hathaway road and Dartmouth line,	183.27
Spruce,	" Parker and Locust,	168.64
Stone,	" Grape and Allen,	132.09

STREETS FILLED AND GRADED—*Concluded.*

Street.	Location.	Cost.
Summer,	Between Sycamore and Parker,	$114.37
Sycamore,	" Ash and Park,	12.65
Tarkiln hill rd.	" Lunds corner and O. C. R. R.,	93.20
Thomas,	Sycamore street, north,	11.47
Topham,	Between Highland st. and Shawmut avenue,	6.13
Walden,	" Sycamore and Smith,	26.00
Weld,	" County and Ashland,	159.11
Willis,	" Shawmut avenue and Park street,	14.00
Willow,	" Cottage and Cedar,	7.19
"	" Bullock street and Shawmut avenue,	210.37
Wilson,	" Austin and Durfee,	54.78
		$23,447.85

Crosswalks, New.

Street.	Location.	Stone.			Concrete.			Of Crushed Stone. Yards.	With Block Paving. Yards.	Cost.
		Lines.	Lgth. Feet.	Wth. In.	Lgth. Ft.	Wth. Ft.	Area. Yards.			
Acushnet av.,	Square at Rivet, viz.:									
	Rivet, south side,	Double.	45.7	24						
	" north side,	Double.	46.5	24						
	East side, across Rivet,	Double.	33.9	24						
	West side,	Double.	22	24						$154.97
"	East side, across Spring,	Double.	46.2	24						45.34
"	West side, "	Double.	48.6	24						49.30
"	East side, across Elm,	Double.	45.2	24						48.24
"	West side, "	Double.	47.9	24						43.11
"	East side, across Middle,	Double.	46.4	24						49.42
"	West side, "	Double.	45.9	24						48.87
Allen,	North side, across Borden,	Double.	35.7	24						41.27
"	" across Page,							—		13.22
"	" across Brigham,							—		13.57
Anthony,	West side, across Bedford,				25.8	8.4	24.22			16.75
Ash,	" bet. Hillman and Maxfield,	Double.	63.5	18					37.3	107.24
"	" " " "	Double.	39.8	24					31.2	85.40
Ashland,	East side, across Austin,	Double.	49.9	24						47.84
Blackmer,	South side, across County,				34.4	8.2	31.53			20.65
Bonney,	East side, across Washington,	Double.	48.8	24						54.47
"	West side, across Washington,	Double.	47	24						53.11
Cedar,	East side, across Sycamore,				26.5	7.7	22.67			16.40
Cedar Grove,	North side, across Acushnet avenue,				36.6	8	32.58			30.25
Chestnut,	West side, across Sycamore,				25.5	8.2	23.23			16.75
"	East side, "				25.6	8	22.75			14.36
Clinton,	Between Ash and Cottage,							—		9.91
Cottage,	West side, across Sycamore,				25.4	8.4	23.70			14.41

Crosswalks, New — *Continued.*

Street.	Location.	Stone.			Concrete.			Of Crushed Stone. Yards.	With Block Paving. Yards.	Cost.
		Lines.	Lgth. Feet.	Wth. In.	Lgth. Ft.	Wth. Ft.	Area. Yards.			
County,	West side, across Nelson,							—		$44.60
"	" across Madison,				20	9.1	20.07			20.23
"	" across Sycamore,				28.2	8	25.06			14.80
Court,	North side, across Lindsey,							—		5.60
Crapo,	East side, across Fair,	Double.	49.5	24						43.47
Durfee,	South side, across Cottage,	Double.	60.4	24						64.00
Eighth,	West side, across William,				31.1	8	27.69			28.43
Elm,	South side, across Acushnet avenue,	Double.	51.6	24						49.49
"	North side, " "	Double.	48.9	24						45.53
Fourth,	East side, across Rockland,				24.8	5.8	15.98			17.08
"	East side, across Grinnell,				25	6	16.67			17.42
Grape,	North side, across Oak,							—		6.10
High,	South side, across Acushnet avenue,	Double.	45.6	24						29.61
"	" west of Foster,	Double.	22.7	18						14.55
Hillman,	Northeast to southwest corner Park,							—		12.53
Kempton,	North side, across Ash,							—		5.03
Maxfield,	Southwest to northeast corner Park,							—		8.28
Middle,	South side, across Acushnet avenue,	Double.	48.1	24						48.47
"	North side, across Acushnet avenue,	Double.	45.9	24						50.44
Mt. Pleasant,	West side, between Weld and Clark,	Double.	22	18						5.42
North,	South side, across Water,	Double.	47.8	24						51.12
Orchard,	West side, across Bedford,				25.4	8	22.62			17.61
Page,	" across Hawthorn,				31	8.3	30.41			20.10
Parker,	North side, across Cottage,	Double.	59.6	18						59.77
Potomska,	" across First,	Double.	47.2	24						44.51
"	Square at First, viz.:									
	Potomska, south side, across First,	Double.	47.3	18						

	First, east side, across Potomska,	Double.	42	18						
	" west side, "	Double.	36.2	18						106.37
Potomska,	Square at Second, viz.:									
	Potomska, north side, across Second,	Double.	49	18						
	Second, east side, " Potomska,	Double.	36.7	18						
	" west side, " "	Double.	39.4	18						93.70
"	Square at Acushnet avenue, viz.:									
	Potomska, south side, across Acush. av.,	Double.	45.5	24						
	" north side, "	Double.	47.6	24						
	Acushnet avenue, e. s., across Potomska,	Double.	49.8	24						
	" w. s., "	Double.	48.4	24						217.19
Purchase,	West side, across Sears court,	Triple.	27.9	24						43.60
"	East side, bet. Maxfield and Campbell,	Single.	18	18						8.93
School,	South side, east of Water,	Double.	29.3	24						28.58
Second,	East side, across School,	Double.	46.6	24						45.35
"	" between School and Spring,	Double.	78.4	24					19.55	126.88
"	West side, across Spring,	Double.	48.8	24						49.53
"	East side, across Middle,	Single.	14	24						18.12
"	West side, south of William,	Double.	18.8	24						12.63
"	across Wing,				25.6	7.9	22.37			12.71
Sixth,	North side, across County,				33	8.1	29.70			22.90
South,	South side, across Second,	Double.	54.3	24						55.59
Spring,	" across Acushnet avenue,	Double.	43.1	24						38.91
"	North side, "	Double.	38.6	24						38.91
Spruce,	East side, across Sycamore,				25.3	8.3	23.33			15.63
"	West side, "				26.3	8.3	24.25			16.36
Sycamore,	North side, across Thomas,				24.4	4.8	13.01			11.58
"	South side, "				25.3	7.9	22.20			15.12
Thomas,	East side, across Sycamore,				25.6	8.2	23.32			13.19
Tremont,	Between Hawthorn and Arnold,							—		5.06
Union,	South side, across Chancery,							—		7.86
Walden,	East side, across Sycamore,				23.8	7.4	19.56			15.77
Washington,	South side, across Bonney,	Double.	48.8	24						53.83
"	North side, "	Double.	48	24						53.15
Wing.	Square at Fifth, viz.:									

Crosswalks, New — *Concluded.*

Street.	Location.	Stone.			Concrete.			Of Crushed Stone. Yards.	With Block Paving. Yards.	Cost.
		Lines.	Lgth. Feet.	Wth. In.	Lgth. Ft.	Wth. Ft.	Area. Yards.			
	Wing, south side, across Fifth,	Double.	52.1	24						
	Wing, north side, "	Double.	44.7	24						
	Fifth, east side, across Wing,	Double.	48.5	24						$157.70
Reynolds,	East side, across Weld,							—		23.38
			2,364.1		594.6		516.92		88.05	$3027.63

54 stone crosswalks cost	$2,483.93	Cost per foot,	$1.05
22 concrete crosswalks cost	388.56	Cost per yard,	.75
12 crushed stone crosswalks cost	155.14		
	$3,027.63		

Crosswalks, Repaired.

Street.	Location.		Stone.			Block Paving. Yards.	Cost.
			Lines.	Length. Feet.	Width. Inches.		
Ash,	West side, between Hillman and Maxfield,	Relaid.		29.5		38.6	$69.30
Bedford,	South side, across Sixth,	Relaid.	Double.	46.8	18		9.91
Bonney,	West side, between Washington and Grinnell,	Relaid.	Double.	65.2	18		13.52
"	" " " " "	Relaid.	Double.		18		
Cottage,	West side, across Elm,	Relaid.	Single.	23.5	18		6.52
"	East side, across Mill,	Relaid.	Double.	21.9	18		10.60
"	Square at Mill, viz.:						
	Mill, south side, across Cottage,	Relaid.	Single.	23.1	18		
	" north " "	Relaid.	Double.	47.8	18		
	Cottage, east side, across Mill,	Relaid.	Single.	23	18		
	" west " "	Relaid.	Single.	23.5	24		36.68
County,	Rivet to Smith,	Repairs.					34.94
"	East side, across Smith,	Relaid.	Double.	49.2	18		15.70
Elm,	North side, across Cottage,	Relaid.	Double.	46.6	18		9.89
"	South " "	Relaid.	Single.	18.7	18		6.30
		New stone.	Single.	3.7	18		
Fifth,	West side, across Wing,	Relaid.	Double.	45.5	18		10.50
Madison,	North side, across Seventh,	Relaid.	Double.	46.1	18		7.00
Mill,	North side, across Cottage,	Relaid.		46.8			10.00
North,	South side, between Second and Acushnet av.,	Relaid.	Double.	33.8			10.30
"	Square at Cottage, viz.:	Relaid.					
	North, south side, across Cottage,	Relaid.	Double.	46.8	18		
	" north " "	Relaid.	Single.	22.8	18		
	Cottage, east side, across North,	Relaid.	Single.	23.7	18		
	" west " "	Relaid.	Single.	23	18		38.93
Orchard,	West side, across Clinton,	Relaid.	Double.	47.5	18		21.39
Potomska,	South side, across Second,	Relaid.	Double.	47.3	18		8.46

Crosswalks, Repaired—*Concluded.*

Street.	Location.		Stone.			Block Paving. Yards.	Cost.
			Lines.	Length. Feet.	Width. Inches.		
Purchase,	West side, across Elm,	Relaid.	Single.	23.2	18		$15.28
"	East side, across Merrimac,	Relaid.		15.4			3.73
"	West side, bet. Cedar Grove and Coggeshall,	Relaid.	Double.	26.7			19.91
"	" " " "	Relaid.	Double.	27.6			
Rockland,	North side, across Fourth (relaid w. of track),	Relaid.					18.60
Sixth,	Between Grinnell and Wing,	Relaid.	Double.	46.8	18		10.26
"	Square at Wing, viz.:	Relaid.					
	Sixth street, east side, across Wing,	Relaid.	Double.	47.3	18		
	Wing street, south side, across Sixth,	Relaid.	Double.	43.5	18		
	" north " "	Relaid.	Double.	37.8	18		42.91
		New stone.	Double.	6.5			
"	West side, across Russell,	Relaid.	Double.	44.2	18		17.36
Smith,	North side, between County and Summer,	Relaid.	Double.	24.4	18		3.80
Spring,	North side, bet. Acushnet av. and Fourth,	Relaid.	Double.	82.8	18		5.63
Summer,	Smith to Parker,	Repairs.					31.14
Sycamore,	Square at Summer, viz.:						
	Sycamore street, south side, across Summer,	Relaid.	Double.	45	18		
	" north " "	Relaid.	Double.	35.6	18		
	Summer street, east side, across Sycamore,	Relaid.	Double.	46.2	18		
	" west " "	Relaid.	Double.	44.6	18		16.30
"	North side, across Chestnut,	Relaid.	Double.	45.8			6.15
"	South side, "	Relaid.	Double.	44			6.15
"	South side, across Cottage,	Relaid.	Single.	21.9			12.47
	Sundry small repairs,						36.97
				1,515.1		38.6	$566.60

Gutters, New.

Street.	Location.	Length. Feet.	Width. Feet.	Area. Sq. Yards.	Cost.
Acushnet av.,	North of Lund's Corner, east side,	1,614.7	4.0	716.67	
"	" " " west "	1,612.8	4.0	716.80	$895.88
Ash,	Hillman to Maxfield, east side,	335.0	4.0	152.00	
"	" " " west "	230.0	3.5	89.40	156.36
"	East side, Maxfield to Sycamore,	221.0	3.5	85.90	53.97
"	West side, "	162.0	4.0	91.40	55.15
		50.0	3.5		
Butler,	Bet. E. French av. and Middle Point road, n. s.,	1,149.0	3.5	446.85	
"	" " " " s. s.,	1,159.0	3.5	450.70	529.37
Coggeshall,	East of Mitchell street, north side,	900.0	4.0	400.00	
"	" " " south "	911.0	4.0	404.90	432.93
Cottage,	East side, Dartmouth to Allen,	402.8	3.5	159.45	75.03
Hillman,	Between Ash and Chancery, north side,	184.3	3.5	71.67	48.29
Maxfield,	" " " "	37.0	3.5	14.40	9.30
Purchase,	Bet. Cedar Grove and Coggeshall, east side,	576.5	4.0	256.22	
"	" " " west side,	348.0	4.0	154.60	
"	" " " " " relaid,	173.5	4.0	77.11	251.78
Sycamore,	South side, Cedar to Ash (with driveway 11x2),	210.4	3.5	84.30	111.00
"	North side, bet. Cedar and Chancery (" 15x2),	260.0	3.5	104.00	
Thomas,	East side, from Sycamore north,	103.0	4.0	45.70	24.29
Walden,	West side, Sycamore to Smith,	269.0	3.5	104.72	56.15
		10,909.0		4,626.79	2,699.50

Total length,	10,909 feet
Average width,	3.81 feet
Total cost, including 77.11 yards relaid,	$2,699.50
Cost per square yard,	$.583
Cost per foot length and average width,	.247

Gutters, Repaired.

Street.	Location.		Length. Feet.	Width. Feet.	Area. Square Yards.	Cost.
Acushnet av.,	Between Rivet and Potomska, east side,	Relaid.	70.0			85.02
Allen,	North side, bet. Borden and Ward,	Relaid.	87.6	3.5	34.07	10.51
Ash,	Between Grove and Hawthorn, east side,	Relaid.	360.0	3.0	120.00	109.41
"	" " " west side,	Relaid.	356.0	3.5	138.44	
Austin,	South side, bet. County and Ashland,	Relaid.	609.7	3.7	254.04	49.42
Blackmer,	South side, Acushnet avenue to County,	Relaid.	253.9	3.0	84.63	22.67
"	" " "	Relaid.	17.0	4.0	7.55	
Bolton road,	West side, from Mill rd. No. 3 to Dunbar,	Relaid.	432.5	4.0	192.22	67.42
" "	" from Swift to Rivet,	Relaid.	356.5	4.0	158.44	
Bonney,	" bet. Fair and Washington,	Relaid.	308.2	3.5	119.86	41.32
"	" from Washington to Grinnell,	Relaid.	197.0	3.0	65.66	21.22
Borden,	" from Allen to Bedford,	Relaid.	358.0	2.5	99.50	89.77
"	" " "	New.	358.0	1.0	39.80	
"	East side, from Allen to Bedford,	Relaid.	359.5	3.5	139.80	
Cedar Grove,	South side, bet. Front and Acushnet av.,	Relaid.	46.0	3.0	15.33	8.41
" "	North side, bet. Acushnet av. & Bowditch,	Relaid.	44.5	3.0	14.83	4.04
Chestnut,	East side, Willis to Parker,	Relaid.	296.0	3.5	115.11	24.83
Cottage,	East side, between Allen and Bedford,	Relaid.	205.0	3.5	79.72	21.75
"	West side, Morgan to Middle,	Relaid.	392.3	3.5	152.51	59.49
"	Mill to North, east side,	Relaid.	17.9	3.5	6.96	53.50
"	" " west side,	Relaid.	182.0	3.5	70.77	
"	North to Hillman, east side,	Relaid.	280.8	3.5	109.20	61.41
"	" " west side,	Relaid.	264.8	3.5	102.90	
County,	East side, bet. Delano and Blackmer,	Relaid.	81.5	3.0	27.16	7.33
"	West side, Winsor to Katharine,	Relaid.	155.0	3.5	60.41	13.20
"	East side, Maxfield to Sycamore,	Relaid.	136.0	3.5	52.89	12.18
"	" across Smith,	Relaid.	37.6	6.0	25.06	17.86
"	West side, bet. Sycamore and Smith,	Relaid.	70.2	3.5	27.30	19.45

Court,	North side, Tremont to Liberty,	Relaid.	171.0	3.5	66.50	28.38
Durfee,	West side of Cottage st. east, south side,	Relaid.	24.3	3.5	9.45	14.37
"	" " " "	New.			35.82	
Griffin,	Northeast corner Second,	Relaid.	16.0	3.0	5.33	6.99
"	Northwest corner Second,	Relaid.	16.0	3.0	5.33	
Fifth,	East side, Grinnell to Bedford,	Relaid.	904.6	3.5	351.78	104.71
"	West side, Grinnell to Bedford,	Relaid.	908.7	3.5	353.38	116.75
"	" between Walnut and School,	Relaid.	77.0	3.5	29.94	24.29
"	School to Spring, east side,	Relaid.	243.0	3.5	94.50	56.40
"	" " west side,	Relaid.	233.3	3.5	90.73	
Forest,	North side, bet. County and Bonney,	Relaid.	129.0	3.5	50.16	8.78
Foster,	West side, Middle to High,	Relaid.	214.1	2.0	47.57	25.26
Franklin,	North side, Pleasant to State,	Relaid.	283.7	3.5	110.33	35.25
High,	South side, west of Foster,	Relaid.	40.3	3.5	15.65	5.50
Linden,	Across Pleasant, south side,	Relaid.	68.0	5.0	37.77	29.34
"	" north side,	Relaid.	46.4	5.0	25.77	
Madison,	North side, across Seventh,	Relaid.	54.0	4.0	24.00	13.96
Mill,	North side, west of Cottage,	Relaid.	27.3	3.5	10.60	7.30
North,	Purchase to Pleasant, south side,	Relaid.	211.5	3.5	82.25	44.83
"	" " north side,	Relaid.	211.5	3.5	82.25	
Orchard,	Bet. Washington and Grinnell, east side,	Relaid.	188.9	3.0	62.96	38.06
"	" " " west side,	Relaid.	124.6	3.0	41.53	
"	Between Bedford and Grove, east side,	Relaid.	189.6	4.0		
"	" " " "	Relaid.	235.3	3.5	175.76	147.72
"	" " " west side,	Relaid.	433.2	3.5	168.47	
Parker,	Bet. Shawmut av. and cem. gate, S. side,		39.0	3.5	15.16	
"	" " " "	Relaid.	30.0	6.0	20.00	
"	" " " "	Relaid.	851.8	4.0	378.57	
"	" " " "	Relaid.	31.0	7.5	25.83	
"	" " " "	Relaid.	41.0	7.0	31.89	
"	" " " N. side,	Relaid.	202.0	3.5	78.55	
"	" " " "	Relaid.	31.7	7.5	26.42	
"	" " " "	Relaid.	669.0	3.5	260.17	245.91
Pleasant,	West side, Hazard to Austin,	Relaid.	358.2	3.5	139.30	24.41
"	West side, Austin to Linden,	Relaid.	380.0	3.5	147.70	39.22

Gutters, Repaired—*Concluded.*

Street.	Location.		Length. Feet.	Width. Feet.	Area. Sq. Yards.	Cost.
Pleasant,	East side, Austin to Linden,	Relaid.	372.1	3.5	144.70	$29.05
"	East side, bet. Linden and Weld,	Relaid.	259.0	3.5	100.70	26.45
School,	Fourth to Fifth, south side,	Relaid.	211.5	4.0	94.00	57.07
"	" " north side,	Relaid.	213.0	4.0	94.66	
Second,	Howland to Griffin, south side,	Relaid.	242.2	3.0	80.73	49.31
"	" " north side,	Relaid.	242.2	3.0	80.73	
Sherman,	North side, County to Bonney,	Relaid.	431.6	3.0	143.86	62.04
Sixth,	Bedford to Russell, east side,	Relaid.	315.0	3.0	105.00	55.90
"	" " west side,	Relaid.	314.9	3.0	104.90	
Smith,	South side, County to Summer,	Relaid.	323.0	3.5	125.61	32.71
"	North side, County to Summer,	Relaid.	346.0	3.0	115.33	28.51
Spring,	Second to Acushnet av., south side,	Relaid.	191.0	3.5	74.28	74.68
"	" " north side,	Relaid.	197.0	3.5	76.61	
Spruce,	Maxfield to Sycamore, east side,	Relaid.	280.0	3.5	113.80	36.38
"	" " "	Relaid.	14.6	3.0		
"	" " west side,	Relaid.	282.8	3.0	94.26	
"	East side, Sycamore to Smith,	Relaid.	244.0	3.5	94.90	9.68
"	West side, Sycamore to Smith,	Relaid.	243.6	3.0	81.20	20.50
Sycamore,	North side, across Thomas,	Relaid.	33.6	5.5	20.50	4.06
"	North and south sides, Thomas to Cedar,	Relaid.			675.50	255.77
Union,	South side, bet. County and Orchard,	Relaid.	83.8	3.0	27.93	4.01
Walnut,	North side, Fourth to Fifth,	Relaid.	122.5	4.0	54.40	27.39
Washburn,	South side, bet. Front and Acushnet av.	Relaid.	127.4	3.5	49.43	16.79
	Sundry small repairs,					80.67
			19,109.3		7,968.61	$2608.61

Curbing.

Street.	Location.	New. With New Stone.	Relaid. With New Stone.	Relaid. With Old Stone.	Cost.
Acushnet av.,	East side, between Delano and Blackmer,	387.6		19.1	$259.81
"	" between Union and William,		100.0		†43.83
"	" between Hicks and Washburn,	208.5			129.06
"	" Cedar Grove south,	52.0			35.51
Allen,	North side, between Borden and Ward,	27.5			21.60
Arnold,	" " Parker and Atlantic,	45.3			27.54
Ash,	West side, between North and Hillman,	118.8			77.18
"	" between Hillman and Maxfield,	321.6			216.47
"	Southeast corner Maxfield,	12.6			10.16
"	West side, Maxfield north,	60.0			38.30
"	East side, between Maxfield and Sycamore,	196.2		7.2	128.92
Austin,	South side, between County and Ashland,	513.3			381.63
Blackmer,	North side, between Front and Water,	164.4			117.56
"	South side, between Second and County,	493.6			330.38
Bonney,	West side, between Rivet and Thompson,	25.8		8.4	24.82
"	East side, between Rockland and Fair,	28.1			*17.50
"	West side, between Fair and Washington,	305.2			222.73
"	" between Washington and Grinnell,			155.8	26.22
"	Southeast corner Grinnell,	8.5			6.37
Borden,	West side, between Dartmouth and Allen,	453.0			313.17
"	Northeast corner Allen,	12.5			9.82
Bridge,**	North side, on Pope's Island,	737.0			**———
Campbell,	" between Cottage and Cedar,	317.5			210.96
"	South side, " " "	261.0			157.73
Cedar,	Southwest corner Durfee,	17.8			12.89
Cedar Grove,	South side, between Howard and Acushnet avenue,	42.6			26.70
"	North side, between Acushnet avenue and Bowditch,		40.8		28.49
Chestnut,	East side, between Willis and Parker,	277.3			171.70

CURBING—*Continued.*

Street.	Location.	New. With New Stone.	Relaid. With New Stone.	Relaid. With Old Stone.	Cost.
Coggeshall,	North side, east of Bennett,	99.3			$67.43
Cottage,	East side, between Dartmouth and Allen,	411.3			255.85
"	West side, between Morgan and Elm,	185.7			121.73
"	" " " Elm and Middle,	173.8		27.5	116.38
"	" " " Mill and North,	185.0			121.36
"	" " " Hillman and Maxfield,	246.0		12.5	166.49
"	" " " Maxfield and Sycamore,	275.7		12.5	192.41
"	" " " Sycamore and Smith,	248.5			149.79
"	" " " Collins and Durfee,	28.2			17.24
County,	" " " Winsor and Katharine,	175.8			125.28
"	" " " " "			181.7	35.87
"	East side, between Delano and Blackmer,	91.2			58.05
"	West side, between Sycamore and Smith,			70.7	8.40
Court,	North side, between Liberty and Tremont,	185.3			122.20
Crapo,	West side, between Thompson and Rockland,	273.5			171.44
"	East side, " " "	346.3			240.61
"	" between Rockland and Washington,	367.8			286.49
Delano,	North side, between Second and County,	246.4			154.59
Durfee,	South side, between Ashland and Cottage,	32.5			21.38
"	" " Cottage and Cedar,	450.5			300.08
"	North side, west of Shawmut avenue,	5.5			3.69
Fifth,	West side, between Grinnell and Wing,	554.8			352.74
"	East side, " " "			515.0	56.65
"	" between Wing and Bedford,	357.0			218.30
"	West side, " " "			350.7	38.50
"	" between Walnut and School,		73.0		51.88
First,	" between Division and Delano,	130.3			87.25
Forest,	North side, between County and Bonney,	128.2			87.47

Foster,	West side, between Middle and High,		235.8		160.84
Fourth,	East side, between Rivet and Potomska,	241.2		50.9	158.90
Franklin,	North side, between Pleasant and State,	265.4			188.66
Front,	West side, between Rivet and Blackmer,	274.5			195.40
Grinnell,	South side, east of Prospect,	378.9			270.11
Hall,	East side, between Thompson and Rockland,	368.8			250.23
Hazard,	South side, between Purchase and Pleasant,			38.0	6.72
High,	South side, between Foster and County,		28.8		22.98
Katharine,	" " County and Crapo,	626.1			402.01
Kempton,	North side, between Cedar and Ash,	110.8			83.55
Liberty,	West side, between Court and Kempton,	813.8			486.29
Lindsey,	East side, " "	840.2		12.5	534.19
Locust,	North side, between County and Chestnut,	464.3			321.75
Maxfield,	North side, between Ash and Emerson,	35.3			23.24
Mill,	" " Cottage and Cedar,			25.5	5.10
Morgan,	South side, between Liberty and Tremont,	13.2			7.89
Mt. Vernon,	" " Highland and Shawmut avenue,	13.1			8.84
"	North side, between " "	13.1			8.84
North,	South side, between Second and Acushnet avenue,	40.0			‡33.01
"	North side, between Purchase and Pleasant,		231.6		*172.86
Orchard,	Both sides, between Washington and Grinnell,	302.4			189.08
"	East side between Bedford and Grove,			235.3	24.03
Park,	West side, between Arnold and Union,	553.1			347.19
"	East side, " " "	41.2			24.75
Parker,	Northeast and northwest corners Cottage,	27.2			26.83
"	North side, between Shawmut avenue and cemetery,	865.4			537.59
Pleasant,	West side, between Hazard and Austin,	358.2			211.68
"	" " Austin and Linden,	376.5			246.19
"	East side, " " "	373.0		12.3	244.71
Purchase,	West side, between Cedar Grove and Coggeshall,	349.0		202.4	231.06
Richmond,	East side, between Parker and Locust,	362.8			225.67
Rivet,	South side, between Water and Front,	164.0			117.84
Sawyer,	" east of Mitchell,	500.0			342.50
"	South side, between Mitchell and Belleview avenue,	75.2			51.51
Second,	West side, between Division and Delano,	125.7			80.38

CURBING—*Concluded.*

Street.	Location.	New, With New Stone.	Relaid.		Cost.
			With New Stone.	With Old Stone.	
Second,	West side, between Delano and Blackmer,	298.9			$190.23
"	" " Rivet and Potomska,	202.2			125.52
"	" " School and Spring,		28.8	194.6	52.01
"	" " Union and William,			28.1	10.22
"	" " Kempton and North,			179.2	26.30
Shawmut av.,	East side, between Durfee and Mt. Vernon,	740.5			497.35
"	West side, " " "	357.5			240.25
"	East side, between Mt. Vernon and Grand,	53.2			35.75
Sherman,	North side, between County and Bonney,	416.8			267.64
Sixth,	East side, between Bedford and Russell,		266.5		183.23
Smith,	North side, between Walden and County,	240.7			171.14
"	South side, " " "	30.6			21.55
"	" between County and Summer,			321.4	31.15
"	North side, " " "		313.4		206.36
Social,	South side, between Harmony and W. French avenue,	12.8			8.92
Spring,	North side, between Second and Acushnet avenue,	179.3		6.1	123.32
"	South side, " " "	212.0			247.80
"	North side, between Acushnet avenue and Fourth,	152.8		12.5	103.26
Spruce,	West side, between Maxfield and Smith,	501.0		25.0	324.53
State,	East side, between Austin and Linden,	270.3			183.02
"	East side, between Weld and Cedar Grove,	567.1		26.0	385.87
Sycamore,	South side, between County and Summer,	240.0		21.1	151.17
"	North side, " " "			205.0	28.96
"	South side, between Summer and Chestnut,			212.0	17.80
"	North side, " " "			198.0	18.92
"	North side, between Chestnut and Cottage,			200.0	17.80
"	South side, " " "			150.6	16.00
"	North side, between Cottage and Spruce,			142.0	15.47

Sycamore,	South side, between Cottage and Spruce,			149.0	16.54
"	North side, between Spruce and Cedar,			156.9	12.80
"	South side, " " "	151.0			96.47
"	" " Cedar and Ash,	212.0		6.4	142.95
"	North side, between Cedar and Emerson,	316.9			197.41
Union,	South side, between County and Orchard,			80.8	8.93
Walden,	West side, between Sycamore and Smith,	229.7			153.45
Walnut,	North side, between Fourth and Fifth,			131.7	14.31
Washburn,	South side, between Front and Acushnet avenue,	105.6			78.98
Water,	East side, between Blackmer and Rivet,	262.9		11.4	188.58
W. French av.,	" " Social and Cove,	373.3			235.92
"	" " Middle Point road and Social,	17.1			11.59
William,	South side, between Second and Acushnet avenue,		107.2		†46.99
Winsor,	South side, between County and Crapo,	535.5			343.50
	Sundry small repairs,				116.11
		25,938.4	1,425.9	4,395.5	$18,285.09

Total cost, exclusive of curbing on bridge,	$18,285.09
" " of relaying, repairs, etc., about	1,522.27
" " of new work (exclusive of bridge), about	16,762.82
Cost per foot of new curbing,	$.665
" " of stone,	.485
" " for labor,	.180

*Including gutter.
**Cost given under head of N. B. & F. bridge.
†Stone furnished by U. S. Government.
‡Including driveway.

Concrete, New.

Street.	Location.	Area. Sq. Yards.	Cost.
Ash,	West side, between Hillman and Maxfield,	133.09	$49.73
Austin,	South side, between Purchase and County (over cobble paving),	317.99	91.23
"	North side, between Cottage and Cedar,	263.77	70.48
Blackmer,	South side, between Acushnet avenue and County,	58.18	26.36
Bonney,	East side, between Rockland and Washington,	601.60	289.35
Campbell,	South side, bet. Acushnet av. and Purchase (over cob. paving),	100.96	25.08
Cedar Grove,	North side, between Acushnet avenue and Bowditch, new,	36.77	
"	" " " " " rebuilt,	25.53	29.76
Bedford,	North side, between Cottage and Borden,	18.57	10.04
Bridge,*	North side, on Popes island,	375.75	
Cottage,	East side, between Hillman and North,	152.54	62.73
County,	" " Delano and Blackmer,	110.62	50.23
"	West side, between Forest and Allen,	53.39	33.67
"	" " Austin and Linden,	104.32	55.62
Court,	North side, between Liberty and Tremont,	141.73	58.84
"	" " Lindsey and Sisson,	208.06	114.79
Dartmouth,	East side, between Hickory and Grinnell,	450.66	231.19
Delano,	South side, between Front and Water,	101.00	60.03
Division,	North side, between Second and Acushnet avenue (school yard),	41.66	20.57
Fair,	South side, between Sears and Dartmouth,	6.71	3.48
"	North side, between Sears and Dartmouth,	51.44	26.39
Forest,	" " County and Bonney,	97.19	60.84
Fourth,	West side, between South and Washington,	63.71	28.56
Grinnell,	South side, east of Prospect,	338.04	184.80
"	" between Orchard and Dartmouth,	138.19	70.89
Kempton,	" between Summer and Chestnut,	58.96	26.55
Prospect,	East side, between South and Grinnell,	23.88	13.06
Sawyer,	South side, east of Mitchell,	606.68	367.51

CONCRETE, NEW—*Concluded.*

Street.	Location.	Area. Sq. Yards.	Cost.
Shawmut av.,	West side, between Smith and Parker,	484.97	$218.35
Sherman,	North side, between County and Bonney,	281.82	151.72
Smith,	" " County and Summer,	92.20	51.81
"	South side, between Spruce and Cedar,	94.19	40.92
Thompson,	North side, between County and Crapo (in school yard),	1.55	8.36
Washington,	South side, between Sears and Dartmouth,	29.40	15.08
Weld,	North side, between Bowditch and Acushnet avenue,	52.88	28.31
		5,342.25	$2,576.33

*Cost given under head of N. B. & F. bridge.

Concrete, Repaired.

Street.	Location.	New.	Rebuilt. Sq. Yards.	Top Coat. Sq. Yards.	Cost.
Acushnet av.,	East side, between Potomska and South,		133.61	43.62	$72.77
"	West side, between South and Grinnell (in school yard),	81.31		113.94	67.90
"	East side, between Merrimac and Wamsutta,			341.54	82.89
"	West side, between Logan and Weld,			12.22	18.90
"	East side, between Washburn and Cedar Grove,		57.08	39.77	53.52
Austin,	North side, between County and Ashland,			182.06	32.35
Cedar,	East side, between Court and Morgan,	10.06	164.40		63.30
"	West side, between Sycamore and Smith,			11.87	11.69
Cedar Grove,	South side, between Howard and Acushnet avenue,		51.82		29.40
Cottage,	West side, between Bedford and Grove,		56.78		30.70
"	" " Morgan and Elm,		158.91		65.54
"	" " Grinnell and Wing,		438.30		205.19
Fifth,	East side, " " "		465.99		204.26
"	West side, between Wing and Bedford,		301.07		139.59
"	" " Bedford and Russell (in school yard),		9.88		7.25
"	" " Middle and High,		28.99		11.65
Foster,					
Fourth,	East side, between Potomska and Rockland,		170.95		45.88
"	" " Wing and Bedford,			306.53	105.68
Grinnell,	North side, between Bonney and Orchard,			144.76	78.75
"	" " Orchard and Dartmouth,			280.22	143.55
Hazard,	South side, between Purchase and Pleasant,			18.20	28.67
"	North side, " " "			76.40	28.30
Hillman,	South side, between Chestnut and Cottage,			183.40	40.81
Kempton,	North side, between Cedar and Ash,			60.31	21.30
Linden,	South side, between Purchase and County,			293.88	40.63
Middle,	North side, between Acushnet avenue and Purchase,			38.05	15.20
Potomska,	North side, between Water and First,			6.60	4.01
Purchase,	West side, between Hazard and Austin,		3.87		2.34

Purchase,	West side, between Austin and Linden,			57.16	11.27
Sycamore,	North side, between County and Summer,		243.78		93.57
"	South side, " " "			59.62	30.36
"	North side, between Summer and Chestnut,			177.00	61.47
"	" " Chestnut and Cottage,		173.66		66.27
Walnut,	" " Fourth and Fifth,		31.34		10.80
William,	South side, between Sixth and Eighth (in school yard),			14.03	13.06
	Sundry small repairs,				85.38
		91.37	2,490.43	2,461.18	$2,023.20

Flagging Repaired.

Street.	Location.	New Stone. Sq. Yards.	Old Stone. Sq. Yards.	Cost.
Acushnet av.,	West side, between Grinnell and Wing,	6.34	26.54	$16.40
"	West side, between Union and William,	61.71	91.35	141.51
"	East side, between Union and William,	3.09		4.63
"	East side, between Mill and North,	3.30		6.60
Allen,	South side, between Orchard and Cottage,	6.20		12.43
Bedford,	Both sides between County and Greene,	4.66		9.07
Bonney,	West side, between Washington and Grinnell,	67.82	13.22	153.23
Cottage,	West side, between Mill and North,	19.60	69.63	60.87
"	West side, between North and Hillman,	5.40	17.20	11.94
"	West side, between Hillman and Maxfield,	33.73	85.51	94.38
"	West side, between Maxfield and Sycamore,	34.75	88.44	121.03
"	West side, between Sycamore and Smith,	26.03	82.26	81.66
County,	West side, between Sycamore and Smith,		33.02	23.19
"	East side, between Campbell and Willis,	20.40		33.75
Eighth,	West side, between William and Elm,	13.42	38.66	37.79
Elm,	South side, between Eighth and County,	3.29	31.81	14.61
Fifth,	West side, between Walnut and School,	28.98	8.34	75.66
Foster,	West side, between Middle and High,	52.71	21.52	122.02
Fourth,	West side, between Walnut and School,		6.90	3.01
High,	South side, between Foster and County,	12.00	1.20	25.84
Kempton,	South side, between Summer and Cottage,		8.40	4.68
Madison,	North side, between Sixth and Seventh,		14.00	6.33
"	Northwest corner of Seventh,	6.23		7.68
Mill,	North side, between Cottage and Cedar,	3.60	6.70	10.26
Morgan,	North side, between County and Cottage,	13.73	9.02	21.60
"	North side, between Cottage and Cedar,	55.30	59.50	124.91
Orchard,	Northwest corner of Clinton,	3.77		5.66
Purchase,	West side, between Union and William,	71.67		73.35

Purchase,	East side, between William and Elm,	133.24	112.22	336.88
School,	South side, between Second and Acushnet av.,	50.04	43.51	110.31
"	South side, between Fifth and Sixth,	5.20		9.45
Second,	East side, between Coffin and Madison,	9.33		18.48
"	West side, between School and Spring,	69.20	28.18	162.20
"	East side, between School and Spring,	1.55	22.80	5.24
"	West side, between Union and William,	27.79	6.20	51.49
"	West side, between Kempton and North,	88.08	3.71	160.56
Seventh,	East side, between Madison and Walnut,	23.79	11.64	75.87
Sixth,	East side, between Bedford and Russell,	36.35	96.23	83.94
Spring,	North side, between Second and Acushnet avenue,	68.07	4.81	171.69
"	South side, between Second and Acushnet avenue,	80.18	19.69	181.66
"	North side, between Acushnet avenue and Fourth,	76.75	3.29	162.01
Walnut,	North side, between Fourth and Fifth,	13.70	86.10	92.40
Wing,	South side, between Acushnet avenue and Fourth,	5.91	20.26	15.54
	Sundry small repairs,			851.82
		1,246.91	1,171.86	$3,793.63

Gravel and Cinder Walks.

Street.	Location.	Cost.	
		Graded and Covered with Stone Screenings.	Cinders Covered with Stone Screenings.
Acushnet av.,	East side, between Division and Delano,		$4.60
"	East side, between Delano and Blackmer,		134.53
"	West side, between Blackmer and Rivet,		2.01
"	East side, between Maxfield and Campbell,		
"	West side, between Cedar Grove and Sawyer,	$5.36	
"	East side, between Cedar Grove and Coggeshall,	86.56	
"	West side, between Sawyer and Nash road,	22.49	
"	East side, between Sawyer and Nash road,	36.40	
"	West side, between Nash road and Lunds corner,	10.64	
"	West side, between Lunds corner and Davis corner,	163.29	
Allen,	Both sides, between Davis corner and Phillips road,	39.07	
Arnold,	South side, between Page and Brigham,	340.21	
"	North side, between Park and Atlantic,	6.50	
"	North side, between Ocean and Tremont,	15.24	
"	North side, between Tremont and James,	22.24	
Ash,	North side, between James and Rotch avenue,		28.01
"	West side, between Arnold and Union,		3.78
"	West side, between Union and Court,	2.99	
"	East side, between Kempton and Mill,	38.56	
"	Both sides, between Hillman and Maxfield,	10.24	
Atlantic,	East side, between Maxfield and Sycamore,	21.38	
"	West side, between Maple and Arnold,	23.51	
Austin,	East side, between Union and Clinton,		9.86
Babbitt,	South side, between Cedar and Wilson,		69.83
Bay,	South side, between Dartmouth and Field,		6.86
	Both sides, between Cottage and Ward,		28.88
			38.52

Belleville av.,	West side, between Washburn and Cedar Grove,		21.32
"	East side, between Cedar Grove and Coggeshall,		4.55
"	East side, between Deane street and Coffin avenue,		11.23
"	East side, between Coffin and Phillips avenues,		10.54
"	West side, between Howard avenue and Main,	19.51	
Blackmer,	South side, between Second and County,		44.96
Bolton road,	East side, between Rockdale avenue and Rivet,	6.34	
Bonney,	West side, between Rivet and Thompson,		5.00
"	West side, between Rockland and Washington,	63.61	
Borden,	Both sides, between Dartmouth and Bay,		5.78
"	West side, between Allen and Bay,	27.92	
Bowditch,	East side, between Weld and Cedar Grove,		66.46
"	West side, between Weld and Cedar Grove,		24.13
"	West side, between Cedar Grove and Coggeshall,		35.90
"	West side, between Coggeshall and Sawyer,		35.84
"	Both sides, between Sawyer and Holly,		23.66
Brownell,	West side, between Arnold and Union,		8.78
Bullock,	West side, between Willow and Durfee,		5.01
Butler,	Both sides, bet. East French av. and Mid. Point road,	143.59	
Campbell,	South side, between Summer and Cedar,	30.30	
Cedar,	East side, between Swamp and Kempton,		4.64
"	West side, between Mill and Kempton,	8.53	
"	East side, between Willis and Parker,	5.39	
"	West side, between Willow and Austin,		12.94
Cedar Grove,	South side, between Acushnet avenue and Bowditch,		45.03
Chancery,	West side, between Arnold and Union,		11.86
"	East side, between Union and Court,	14.33	
"	West side, between Parker and Maitland,	3.31	
Chestnut,	West side, between Parker and Locust,		6.18
Clinton,	South side, between County and Orchard,	23.72	
"	North side, between County and Orchard,	31.55	
"	Both sides, between Cottage and Ash,	43.74	
Coffin av.,	South side, between Belleville and Acushnet avenues,		25.81
Coggeshall,	Both sides, between new bridge and Bennett street,	97.22	
"	Both sides, County, west,		16.00

Gravel and Cinder Walks—*Continued.*

Street.	Location.	Cost.	
		Graded and Covered with Stone Screenings.	Cinders Covered with Stone Screenings.
Columbia,	Both sides, between Clay and Allen,		$41.20
Cottage,	East side, between Dartmouth and Allen,	$8.46	
"	West side, between Elm and Middle,	6.44	
"	East side, between Smith and Parker,		20.24
"	West side, between Smith and Parker,	11.00	
"	East side, between Parker and Robeson,		84.52
"	West side, between Locust and Robeson,		50.63
County,	East side, between Blackmer and Rivet,	5.87	
"	West side, between Arnold and Union,	55.72	
"	West side, between Robeson and Linden,	6.22	
"	West side, between Linden and Weld,		6.68
"	Both sides, between Weld and Clark,		19.87
Court,	South side, between Ash and Emerson,	2.25	
Cove,	South side, between East and West French avenues,		6.00
"	North side, between Water and County,		43.32
Crapo,	East side, between Winsor and Katharine,		14.88
"	Both sides, between Rockland and Thompson,	29.05	
"	East side, between Rockland and Washington,	19.39	
Dartmouth,	East side, between Rockdale avenue and Dunbar,	44.35	
"	West side, between Rockdale avenue and Stowell,		48.98
"	West side, between Stowell and Babbitt,		4.86
"	East side, between Larch and Rivet,	13.52	
"	East side, between Rivet and Fruit,	32.43	
Davis,	North side, between Belleville and Acushnet avenues,		17.13
Deane,	South side, between Belleville and Acushnet avenues,		77.68
"	North side, between Belleville and Acushnet avenues,		13.78

Delano,	South side, between Front and Water,	10.56	
"	North side, between Water and First,	11.51	
"	North side, between Second and County,	16.05	
Division,	South side, between County and Crapo,		5.56
Durfee,	South side, between Cottage and Cedar,	28.61	
"	South side, between Bullock and Shawmut avenue,		6.47
"	North side, Shawmut avenue, west,		17.35
Elm,	Both sides, between Emerson and Chancery,		5.79
"	South side, between Chancery and Park,		59.86
"	North side, between Chancery and Park,		29.07
"	South side, between Park and Newton,		8.74
"	North side, between Florence and Rounds,		22.48
"	Both sides, between Rounds and Reed,		29.12
Emerson,	East side, between Arnold and Union,		106.11
"	West side, between Arnold and Union,		18.79
Fifth,	East side, between Wing and Bedford,		24.08
First,	West side, between Division and Delano,	14.55	
"	East side, between Delano and Blackmer,	83.16	
Florence,	West side, between Court and Elm,		22.09
"	East side, between Kempton and Mill,		19.24
Fourth,	East side, between Rivet and Potomska,		49.93
"	West side, between Rivet and Thompson,		9.53
"	Both sides, bet. Russell and Madison (beside flagging),	8.68	
Front,	West side, between Potomska and South,		40.50
"	West side, between South and Howland,		10.67
"	West side, between Logan and Wamsutta,		9.34
Fruit,	South side, between Mulberry and Dartmouth,		5.67
Grape,	South side, between Oak and Rural,	177.80	
Grinnell,	South side, east of Prospect,		22.21
Hall,	East side, between Thompson and Rockland,	37.80	
Hunter,	West side, between Kempton and Mill,		3.00
Hyacinth,	Both sides, between Rivet and Thompson,		42.71
Independent,	North side, between County and Crapo,		9.64
Katharine,	North side, between County and Crapo,		19.98
"	South side, between County and Crapo,		83.17

Gravel and Cinder Walks—*Continued.*

Street.	Location.	Cost.	
		Graded and Covered with Stone Screenings.	Cinders Covered with Stone Screenings.
Kempton,	North side, between Cedar and Ash,	$6.08	
"	South side, between Park and Newton,	7.06	
"	North side, west of Rockdale avenue,	10.63	
"	South side, west of Rockdale avenue,	194.77	
Larch,	South side, between Juniper and Dartmouth,		$52.14
"	North side, between Juniper and Dartmouth,		71.69
Liberty,	West side, between Court and Kempton,		111.81
"	East side, between Court and Kempton,		14.62
Lindsey,	Both sides, between Court and Kempton,	174.18	
Marvin,	North side, between Howard and Acushnet avs.,		5.00
Maxfield,	South side, between Chestnut and Cottage,	7.18	
"	North side, between Ash and Chancery,	10.77	
"	South side, between Park and Liberty,		8.66
McGurk,	West side, between Middle Point road and Cove,	14.22	
Merrimac,	South side, east of Acushnet avenue,		9.82
Mill,	South side, between Cedar and Ash,	13.49	
"	South side, between Florence and Hunter,		12.86
"	North side, between Florence and Hunter,		7.01
"	North side, between Hunter and Beach,		7.02
"	South side, between Hunter and Beach,		21.12
Mitchell,	East side, between Coggeshall and Sawyer,		125.88
"	West side, between Coggeshall and Sawyer,		88.47
Morgan,	North side, between Cottage and Ash,	7.80	
Mosher,	South side, between County and Crapo,		28.91
Myrtle,	East side, between Linden and Weld,		13.23
"	West side, between Linden and Weld,		6.01

Nelson,	North side, between County and Crapo,		43.64
"	South side, between County and Crapo,		24.70
North,	South side, between Park and Newton,	3.19	
Orchard,	East side, between Bedford and Grove,	9.92	
Palmer,	West side, between Elm and Kempton,		28.81
Park,	West side, between Arnold and Union,		84.02
"	East side, between Arnold and Union,		87.54
"	East side, between Kempton and Mill,		7.71
Parker,	North side, betweeen Shawmut av. & Cemetery gate,	113.52	
"	South side, between Shawmut av. & Cemetery gate,	67.24	
Penniman,	North side, between Purchase and State,		7.55
"	North side, between State and County,		9.63
Pleasant,	West side, between Merrimac and Hazard,	20.17	
"	Both sides, between Austin and Linden,	42.89	
"	East side, between Linden and Weld,	88.87	
Purchase,	West side, between Union and William,	6.05	
"	East side, Weld street, north.	26.84	
Reed,	West side, between Kempton and Court,		53.67
Reynolds,	West side, between Weld and Clark,		5.66
Richmond,	East side, between Parker and Locust.		43.83
River road,	West side, between Howard av. and Main,	91.77	
Rivet,	South side, between Second and Acushnet avenue,	21.26	
"	North side, between Bolton road and Juniper,		5.83
"	South side, between Juniper and Dartmouth,		54.01
"	North side, between Mulberry and Dartmouth,	3.43	
Sawyer,	North side, between Bennett and Mitchell,		50.05
"	South side, Mitchell, east,	23.20	
"	North side, between Mitchell street and Belleville av.,		54.79
"	North side, between Belleville and Acushnet avenues,		15.13
"	North side, between Acushnet avenue and Purchase,		18.78
"	South side, between Bowditch and Purchase,		7.00
Second,	East side, between Delano and Blackmer,	27.74	
"	West side, between Rivet and Potomska,		41.21
"	East side, between Potomska and South,		31.65
"	West side, between Potomska and South,		11.67

Gravel and Cinder Walks—*Concluded.*

Street.	Location.	Cost.	
		Graded and Covered with Stone Screenings.	Cinders Covered with Stone Screenings.
Second.	East side, between South and Grinnell,	$6.71	
Shawmut av.,	Both sides, between Durfee and Grand,	78.63	
"	East side, between Mount Vernon and Grand,		$20.68
Sixth,	East side, between Bedford and Russell,	3.78	
Social,	South side, between McGurk and Harmony,		8.32
South,	North side, between Water and Second,	18.71	
"	North side, between Second and Acushnet avenue,	17.57	
Spruce,	East side, between Maxfield and Sycamore,	4.05	
"	West side, between Maxfield and Sycamore,	26.27	
"	Both sides, bet. Sycamore and Smith (beside walks),	5.51	
"	West side, between Parker and Locust,		15.07
State,	East side, between Weld and Cedar Grove,		76.18
Sycamore,	South side, between Chestnut and Cottage,	17.28	
"	Both sides, between Cedar and Chancery,	37.15	
Thomas,	East side, between Sycamore and Smith,	22.13	
Thompson,	South side, Fourth to County,	7.13	
"	South side, between County and Crapo,	90.13	
Tremont,	East side, between Hawthorn and Arnold,	31.10	
"	West side, between Hawthorn and Arnold,		36.59
"	West side, between Arnold and Union,		4.73
Union,	North side, between Ash and Chancery,	20.29	
"	South side, between Chancery and Park,		13.83
"	South side, between Park and Tremont,		4.82
Water,	East side, between Division and Blackmer,	7.16	
"	West side, between Rivet and Potomska,	3.00	
Welcome,	South side, between McGurk and West French av.,		13.93

Welcome,	North side, bet. McGurk street and W. French av.,		6.69
Weld,	South side, between Bowditch and Purchase.	5.63	
"	South side, between Purchase and Pleasant,	26.28	
"	South side, between County and Reynolds,		14.22
"	South side, between Reynolds and Ashland,		33.17
"	North side, between Myrtle and Mt. Pleasant,		15 53
W. French av.	East side, between Social and Cove,	7.26	
William,	South side, between Second and Acushnet avenue,	25.35	
Willow,	North side, between Cottage and Cedar,		33.21
"	North side, between Cedar st. and Shawmut avenue,		105.85
Winsor,	South side, between County and Crapo,	19.28	
	Sundry small repairs.		123.82
		$3,459.83	$3,681.14

Total cost, $7,140.97.

Drains Laid.

Number.	Size.	Length.	Cost.	Average Cost Per Foot.
197	5-inch pipe.	7,475 feet.	$3,010.46	$.402
227	6 "	7,922 "	3,773.99	.476
8	8 "	1,704 "	1,285.32*	.754*
6	10 "	360 "	168.91	.469
1	15 "	26 "	17.71	.660
439		17,487 feet.	$8,256.39	
44 entrances where no pipe was furnished,			263.89	
483 drains entered cost			$8,520.28	

Drains Repaired.

45 drains repaired cost $366.22, including pipe used, viz.:

190 feet 5-inch pipe.
225 feet 6-inch pipe.
28 feet 8-inch pipe.
36 feet 15-inch pipe.

77 drains cleared, cost $210.90.

*Including cost of three manholes.

TABLE OF MISCELLANEOUS ACCOUNTS.

Sweeping and cleaning streets,	$7,849.93
Removing snow and ice,	720.49
Sanding icy walks,	170.10
Picking up small stones,	109.90
Carting stock to City Stable yard,	398.58
Carpenter shop,	295.21
Trimming trees,	623.31
Labor, City Stable yard,	704.21
Tool houses repaired,	79.71
Filling holes in streets,	417.09
Tools, new and repaired,	723.26
Oil,	43.01
Hack hire,	140.00
Repairing scales,	20.54
Janitor,	108.00
One-half stable office expenses, including salaries,	801.15
One-third main office expenses, including salaries,	2,269.31
Registration clerk,	137.55
City stable lot filling,	312.08
New fence, Belleville avenue, north of Howard av.,	425.59
Fence repaired, Howard avenue, south side, east of Belleville avenue,	8.05
Fence repaired, Hillman street, between Ash and Chancery,	22.34
Fence repaired, Acushnet avenue, east side, between Merrimac and Wamsutta,	23.20
Fence repaired, Campbell street, north side, between County and Summer,	7.80
Fence repaired, corner Park and Arnold streets,	11.37
Small repairs to fences, Maxfield, Butler, Bonney, Elm, and Campbell streets,	6.29
Moving house out of line on Belleville avenue,	771.00
Moving building, Bowditch street,	261.34
Moving barn, Allen street,	100.03
Layout of Belleville avenue north of Howard avenue,	20.00
Widening Pleasant street, between William and Union,	75.00
Moving back wall, Acushnet avenue, south of Phillips road,	1,366.41
Street scraper repaired,	11.10
Pumps repaired, Plainville, Sisson's Corner, and Durfee street,	32.54
Repairs to City Stable yard gate,	10.83

Rebuilding steps on account of Fourth street widening,			$25.00
Steam drill, insurance, and repairs,			75.68
Steam pump repaired,			20.89
New heater for concreting, and repairs to old one,			62.48
Excavating for foundation of new building, City Stable yard,			38.26
New concrete floor in shed for light teams, at City Stable yard,			62.12
Machinist,			22.00
Flushing and puddling sewers and drains,			16.04
Wharfage for paving stones,			150.00
Sundry small repairs to wheelbarrows, sheds, derricks, etc.,			275.09
Hardware, dynamite, manilla, etc.,			265.69
Telephone, freight, medical service, brushes, paint, etc.,			248.93
Union street dock, filling,			1,421.82
New steam road roller,			3,750.00
Stock, labor, and teaming, general sewers,		$9,237.54	
" " " Sundry sewers,		4,966.47	
" " " Engineering Dept.,		1,369.52	
" " " Pub. wks. per. imp.,		430.19	
" " " N. B. & F. bridge,		2,846.11	
" " " Poor Department,		434.21	
" " " N. B. Water Works,		688.48	
" " " N. B. School Dept.,		194.96	
" " " City property,		2.74	
" " " Parks and squares,		561.10	
" " " Board of Health,		23.86	
" " " N. B. Fire Dept.,		166.28	
" " " Incidentals,		4.62	
" " " Sundry parties,		10,059.77	30,985.85
Stock on hand, January 1st, 1893,			10,275.09
Miscellaneous items,			330.00 $67,101.26

RECAPITULATION—HIGHWAYS AND STREETS.

GROSS EXPENDITURE.

Macadam, new,	$15,725.32	
Macadam, repaired,	9,755.76	
Streets filled and graded,	23,447.85	
Curbing, new and relaid,	18,285.09	
Gutters, new,	2,699.50	
Gutters, repaired,	2,608.61	
Concrete sidewalks, new,	2,576.33	
Concrete sidewalks, repaired,	2,023.20	
Gravel and cinder sidewalks,	7,140.97	
Paving, new,	5,580.15	
Paving, repaired,	6,306.04	
Flagging, repaired,	3,793.63	
Crosswalks, new,	3,027.63	
Crosswalks, repaired,	566.60	
Drains, new, repaired, and cleaned,	9,097.40	
Miscellaneous accounts,	67,101.26	$179,735.34

CREDITS.

Appropriation,	$115,000.00	
Special appropriation,	871.03	
" "	10,000.00	
Received for stock, labor, and teaming,	38,200.35	
Stock on hand, January 1st, 1892,	5,909.07	
Error in stock on hand, January 1st, 1892, paving blocks on wharf,	2,972.90	
Transfer to balance,	6,781.99	$179,735.34

NET EXPENDITURE, HIGHWAYS AND STREETS.

Appropriation,	$115,000.00	
Special appropriation,	871.03	
" "	10,000.00	
Transfer from other accounts to balance,	6,781.99	$132,653.02

STREET DEPARTMENT.

INVENTORY OF PROPERTY, STABLE AND TOOL HOUSES. JANUARY 1st, 1893.

36 horses,	$6,850.00
10 double carts,	2,000.00
10 single carts,	1,300.00
1 jigger,	100.00
1 old gear, with derrick,	175.00
1 new gear, with derrick,	375.00
1 single gear,	75.00
1 single lumber wagon,	65.00
1 express wagon,	75.00
2 light wagons,	180.00
13 double harnesses,	550.00
11 single harnesses,	250.00
5 steel collars,	20.00
26 feed baskets,	13.50
12 stable pails,	9.00
3 tons hay,	60.00
2 tons straw,	30.00
187 bushels grain,	93.50
8 carriage robes,	30.00
44 horse blankets,	45.00
20 six-tined forks,	18.00
16 hay forks,	9.00
1 hay knife,	1.00
3 wheel jacks,	3.00
38 halters,	20.00
2 wagon wrenches,	2.00
1 sleigh,	30.00
2 ash sleds,	200.00
1 harrow,	40.00
4 stone drags,	12.00
4 new plow points,	20.00
1 two-horse dirt scoop,	9.00
1 road scraper,	75.00
1 water cart,	150.00
1 iron road roller,	250.00
1 wheel derrick,	25.00
1 stone road roller,	75.00
1 bushel basket,	.60
1 wash tub,	.75
12 pigs,	100.00

1 water tank,	$5.00
5 monkey wrenches,	8.00
1 street sweeper,	100.00
1 riding saddle,	2.00
1 express harness,	15.00
24 mane brushes,	9.60
24 horse brushes,	40.00
24 curry combs,	7.00
1 set horse slings,	20.00
8 oil squirters,	4.00
8 one gallon oil cans,	4.00
1 belt punch,	.90
300 feet ¾-inch garden hose,	30.00
3 tool houses,	120.00
4 tool boxes,	20.00
20 sledges,	60.00
43 iron bars,	64.50
3 pinch bars,	6.00
12 stone-breaking hammers,	5.00
10 striking hammers,	15.00
8 drilling hammers,	8.00
97 hand drills,	17.46
70 stone chisels,	35.00
14 stone sets,	8.30
6 spirit levels,	15.00
3 iron squares,	3.00
10 stone chains,	20.00
6 trowels,	3.00
30 paving hammers,	60.00
12 paving pounders,	36.00
29 paving brooms,	16.00
5 R. P. L. H. shovels,	2.75
23 S. P. L. H. shovels,	12.88
1 gallon measure,	.60
120 R. P. S. H. shovels,	69.00
23 S. P. S. H. shovels,	12.42
2 road plows,	30.00
12 L. H. scoop shovels,	9.00
22 S. H. scoop shovels,	15.00
63 hoes,	15.12
231 pickaxes,	223.77
27 mattocks,	40.00
1 billhook,	1.00
4 scythes and snaths,	6.00
17 iron rakes,	8.50

10 dirt pounders,	$4.00
2 large double-shieve metal blocks,	34.83
1 large single metal snatch-block,	16.20
100 feet ½-inch wire rope,	3.58
4 flag tampers,	3.00
8 crosscut saws,	32.00
6 hand saws,	6.00
8 narrow axes,	6.00
1 sawhorse,	.75
1 large hay cutter,	20.00
2 hydrant wrenches,	1.00
2 spades,	1.50
7 wooden wheelbarrows,	12.25
6 iron wheelbarrows,	30.00
57 lanterns,	42.75
1 barrel lantern globes,	3.00
7 street horses,	7.00
5 drinking pails,	2.50
2 ladders,	2.00
1 ladder, extension,	12.00
2 snow plows,	5.00
28 wooden snow shovels,	10.00
38 iron " "	34.00
9 ice spades,	4.50
2 sand screens,	10.00
6 stoves and pipes,	30.00
9 chocking hammers,	4.50
4 warning signs,	2.00
3 manure rakes,	1.50
1 set runners for lumber wagon,	9.00
5 drinking dippers,	1.00
60 lantern hooks,	9.00
3 blocks and falls,	18.75
1 pair barrel skids,	3.00
6 wire window screens,	6.00
2 sets chain traces,	10.00
2 wire door screens,	6.00
2 sets large Fairbanks scales,	200.00
5 sickles,	5.00
3 stone reamers,	1.50
3 L. H. scrapers,	1.50
20 pounds backing and wedges,	3.00
2 branding irons,	2.00
1½ barrels axle grease,	30.30
500 pounds old rope,	15.00
2 sets double lead harnesses,	60.00

1 set single lead harness,	$15.00	
3 sets light harnesses,	45.00	
3 sets tree-trimming falls and blocks,	20.00	
5 water tubs,	12.50	
5 large steel wedges,	3.50	
1 bit and stock,	1.00	
25 tons dressing,	31.25	
1 marlinspike,	.50	
6 whiffletrees,	12.00	
9 tape measures,	9.00	
6 long straight-edges,	3.00	
5 short straight-edges,	1.50	
1 cabinet for books,	10.00	
4 chairs,	2.00	
6 new brooms,	3.00	
1 waterpot,	.25	
1 large table,	5.00	
31 new water pails,	10.00	
1 large whiskey jack,	45.00	
1 10-ton ratchet jack,	10.00	
1 new broom for street sweeper, complete,	25.00	
2 small malleable iron tackles,	2.00	
7 street horses,	7.00	
12 large eveners,	15.00	
250 feet old curbing,	50.00	
46 tons pounding gravel,	34.50	
270 tons cobble paving for gutters,	270.00	
600 tons crushed stone,	600.00	
200 tons crushed stone, fine,	200.00	
500 tons screenings,	500.00	
500 tons crusher stone,	250.00	
79 tons beach sand,	79.00	
200 tons cobble paving for streets,	250.00	
30 gallons kerosene oil,	2.40	
47,900 large paving blocks,	3,281.15	
2,077 small paving blocks,	97.62	
2,058 square feet new flagging,	329.28	
600 square feet old flagging,	120.00	
450 feet old crosswalk,	90.00	
70 feet new 24-inch crosswalk,	50.75	
19 feet new 18-inch crosswalk,	9.98	
4,500 feet new curbing,	2,182.50	
380 feet new curbing corners,	184.30	
120 tons brick sand,	120.00	
2,860 tons crusher stone piled on lot east side of Acushnet avenue, north of Phillips road,	1,397.75	$25,650.99

MACHINE SHOP.

1 engine lathe,	$25.00	
3 ½-inch globe valves,	2.25	
1 ½-inch union chuck,	.65	
1 ¾-inch union chuck,	.65	
1 ½-inch union,	.50	
1 handcock ejector,	1.00	
1 monitor injector,	10.00	
10 pounds lathe tools,	1.30	
1 tinman's furnace,	2.00	
3 small hand lamps,	1.30	
1 grindstone and stand,	5.00	
1 lantern,	.50	
1 small sledge,	1.00	
1 15-inch chuck,	8.00	
5 haugers and 18 feet shafting,	10.00	
1 No. 2 Stetson chuck,	4.00	
6 twist drills, ½-inch to 15-16-inch,	6.00	
1 12-inch iron square,	.75	
1 axe,	.50	
2 pounds Jenkins packing,	.70	
1 pound ⅜-inch Garlock packing,	.25	
1 set steel letters,	2.00	
1 set steel figures,	2.00	
15 gallons cylinder oil,	9.75	
12 gallons steam drill oil,	4.11	
20 gallons sperm oil,	15.60	
15 gallons crusher oil,	2.10	
1 barrel compound for boilers,	30.00	
2 ladles,	1.50	
1 vise, small,	2.00	
100 feet 2½-inch belting,	20.00	
20 feet 2-inch belting,	4.00	
1 oil can,	.10	
1 steam gauge,	4.00	
1 set differential pulleys, 3 tons,	34.00	
1 gear for street sweeper,	5.00	
1 safety valve,	10.00	$227.51

STATIONARY ENGINE AND BOILER.

1 engine and boiler,	$500.00	
4 small oil cans,	1.00	
5 large oil cans,	1.25	

1 screwdriver,	$.50	
3 belt punches,	1.50	
2 lbs. Jenkins packing,	.70	
1 axe,	.50	
1 handsaw,	.30	
1 scoop shovel,	.25	
1 slice bar, }	1.00	
1 poker, } firing tools,	1.00	
1 hoe, }	1.00	
1 12-inch monkey wrench,	.85	
1 18-inch monkey wrench,	1.50	
1 hand hammer,	1.25	
1 set belt clamps,	2.50	
50 feet ½-inch rubber hose,	5.00	
40 feet 10-inch old belting,	12.00	
1 ton coal,	7.00	
6 flat wrenches,	2.50	$541.60

PORTABLE ENGINE AND BOILER.

1 engine and boiler,	$375.00	
1 force pump,	2.00	
1 gauge glass,	.50	
1 chisel,	.25	
1 iron square,	1.00	
1 spirit level,	1.50	
1 screwdriver,	.25	
1 pair dividers,	.25	
1 axe,	.50	
1 scoop shovel,	.50	
1 18-inch Stilson wrench,	2.25	
1 handsaw,	.50	
1 24-inch monkey wrench,	2.50	
1 9-inch rubber belt,	5.00	
1 tool chest,	4.00	
1 canvas cover for engine,	5.00	
1 slice bar,	1.00	
1 poker,	1.00	
1 hoe,	1.00	
1 oil can,	.10	
1 tape measure,	2.50	$406.60

STEAM ROAD ROLLER.

1 steam road roller,	$3,600.00	
4 new steel pinion gears,	38.64	
1 set gears for roller,	42.72	
50 feet ½-inch rubber hose,	3.00	
25 1-inch rubber suction hose,	30.00	
2 brass oil cans,	1.00	
1 pinch bar,	2.00	
1 slice bar,	1.00	
1 canvas cover for roller,	6.00	
1 hand hammer,	1.25	
1 12-inch monkey wrench,	.85	
1 18-inch monkey wrench,	1.50	
1 12-inch Stilson wrench,	2.25	
5 flat wrenches,	2.50	
2 socket wrenches,	1.00	
2 small chains,	1.00	
47 picks for roller,	20.00	
1 sledge hammer,	1.00	
1 shovel,	.50	
1 tool chest,	4.00	
75 lbs. Albany grease,	15.00	
1 tin oil can,	.10	
5 tons Pocahontas coal,	22.50	$3,797.81

STONE CRUSHERS AND ELEVATOR.

2 stone crushers,	$350.00	
1 elevator, stone pocket, and screen,	1,500.00	
3 bevel gears for elevator,	15.00	
700 elevator bolts,	7.00	
31 toggle plates,	78.43	
2 fixed plates,	31.00	
1 jaw plate,	15.51	
4 cheek plates,	35.68	$2,032.62

BLACKSMITH SHOP.

50 lbs. spring steel,	$4.00
160 lbs. machine steel,	6.40
2,615 lbs. cast and drill steel,	222.27
525 lbs. small band iron,	15.75
1,175 lbs. large band iron,	29.37
2,619 lbs. refined iron,	65.47

860 lbs. Norway iron,	$34.40
175 lbs. wedge steel,	7.87
75 lbs. backing steel,	6.00
575 lbs. round iron,	17.97
200 lbs. steel punches and pieces,	18.00
418 lbs. pick steel,	33.44
9 lbs. lag screws,	.36
1,560 lbs. refined iron pieces,	31.20
18 lbs. hand cold chisels,	3.00
2 lbs. borax,	.24
100 lbs. nuts,	4.00
75 lbs. washers,	3.00
30 lbs. rivets,	3.60
100 lbs. machine bolts,	4.00
85 lbs. old springs,	2.50
1,139 lbs. horse shoes,	47.27
255 lbs. horse shoes, heeled and toed,	30.00
180 lbs. toed shoes,	9.00
64 lbs. horse shoe nails,	12.16
90 lbs. toe calks steel,	6.75
40 lbs. toe calks,	3.60
183 lbs. old chain,	1.83
465 lbs. old steam drill steel,	4.65
420 lbs. flower bed fences,	4.20
4 cold chisels,	4.00
8 round files,	2.40
9 flat files,	2.70
15 file handles,	.40
1 2½-inch axle and hubs, new,	22.75
6 wooden horses,	2.00
5,525 bolts,	200.00
12 axle clips,	.66
6 square files,	1.80
6 new springs for seats,	2.25
6 shoe rasps,	3.00
144 sledge handles,	36.00
144 pick handles,	36.00
2 new hammers,	3.00
12 drift pins,	2.40
1 new cone,	14.00
1 new cast iron block, 385 lbs.,	11.55
1 new vise,	15.30
2 new floor plates,	4.43
2 swage blocks,	6.00
12 top swages,	5.00

8 top fullers,	$12.00
2 sharpening stakes,	3.00
3 steel squares,	3.00
20 pairs large tongs,	23.00
12 pairs small tongs,	10.00
3 brick forges,	192.15
2 vises,	6.50
12 bottom swages,	21.00
7 bottom fullers,	10.50
3 large sledge hammers,	9.00
3 small sledge hammers,	9.00
3 sets steam drill tools,	15.00
1 cast iron block, 200 lbs.,	6.00
6 hot chisels,	4.50
1 spokeshave,	1.50
3 anvil cutters,	2.75
5 fork wrenches,	5.84
20 bits,	4.67
55 lbs. old nuts,	1.10
4 wooden pails,	.40
9 trace chain hooks,	2.25
2 hub bands,	2.00
1 bottom swage,	3.00
2 flatters,	8.00
11 breeching hooks,	2.75
4 tubs,	6.65
324 lbs. anvil,	32.40
209 lbs. anvil,	20.90
175 lbs. anvil,	17.50
60 lbs. heading tools,	6.00
3 sets hammers,	4.00
1 set wedge tools,	1.25
2 tool benches,	3.00
1 buffalo forge,	24.00
2 pairs bellows,	36.00
1 set screw plates, 7 sizes, and taps,	13.50
1 set screw plates, 6 sizes, and taps,	40.00
1 large monkey wrench,	3.00
1 small monkey wrench,	1.75
1 key wrench,	4.00
1 bitstock,	2.00
6 half round files,	1.88
2 bolt racks,	4.00
7 tons blacksmith coal,	31.50
1 tier oven and tools,	70.00

2 oil cups,	$.60	
1 axletree set,	5.00	
1 L. H. S. P. shovel,	.50	
1 S. H. S. P. shovel,	.50	
4 forge pokers and shovels,	4.00	
5 tap wrenches,	7.50	
4 hand clamps,	3.00	
1 traveler,	1.50	
1 drawing knife,	.30	
1 bit splice,	.50	
1 overhaul,	.50	
1 long chisel,	.75	
1 drilling machine and drills,	30.00	
37 whiffletree bolts,	9.15	
1 ladder,	1.00	
1 bolt clipper,	5.00	
1 calking vise,	14.00	
2 shoeing boxes and tools,	10.00	
1 set tire stones,	25.00	$1,808.98

CONCRETE STOCK.

2 portable tar kettles,	$30.00	
2 stone rollers,	19.00	
2 iron wheelbarrows,	10.00	
30 lbs. canvas,	2.00	
2 large hoes,	.50	
5 iron rakes,	2.50	
2 L. H. dippers,	4.50	
1 woodsaw,	1.00	
1 fine sand screen,	2.00	
4 L. H. shovels,	2.00	
5 pickaxes,	7.50	
2 iron bars,	3.00	
4 hand drills,	2.00	
1 stone point,	.50	
3 chisels,	1.50	
1 lb. backing and wedges,	.15	
2 concrete pounders,	8.00	
1 mattock,	1.55	
1 spirit level,	2.00	
2 one-gallon oil cans,	.50	
1 oil squirter,	.50	
2 galvanized iron pails,	.50	
1 hatchet,	.25	

3 axes,	$1.50	
1 paving broom,	.35	
4 lantern rods,	.40	
2 sand heaters,	30.00	
2½ bbls. tar,	96.75	
20 gals. asphalt,	3.75	
15 gals. pitch,	1.80	
12 tons concrete sand,	12.00	$248.00

CARPENTER SHOP.

1,200 feet oak lumber,	$78.00
200 feet ash lumber,	12.00
250 feet pine lumber,	13.75
175 feet white wood,	8.75
700 feet hard pine,	24.50
175 feet spruce lumber,	3.50
2 tool chests,	8.00
1 wooden vise,	1.50
1 boring machine and 4 bits,	7.50
1 wheel horse,	2.00
1 circular saw,	9.00
1 saw table,	20.00
1 saw clamp,	.75
500 lbs. cut nails,	17.50
30 lbs. wire nails,	1.50
12 lbs. wrought iron nails,	.84
4 gross of screws,	1.00
10 axe handles,	2.50
4 wood clamps (2 large, 2 small),	2.40
1 adze,	2.00
36 pairs strap hinges (18 large, 18 small),	9.00
5 small hasps,	.50
6 padlocks,	1.80
1 quire sand paper,	.24
2 oilstones,	.75
2 iron bars,	3.00
2 top mauls,	4.00
1 oil squirt can,	.25
2 spirit levels (1 large, 1 small),	3.25
2 try squares,	2.00
3 iron squares (2 large, 1 small),	2.00
2 hatchets (1 large, 1 small),	1.00
2 drawing knives,	1.15
3 monkey wrenches (12-inch, 15-inch, 6-inch),	2.20

2 mallets,	$.75	
4 claw hammers,	1.00	
1 heavy hammer,	.60	
2 compass saws,	1.50	
1 set small blocks and falls,	3.00	
1 rufling hammer,	.30	
8 handsaws,	14.00	
7 planes,	5.00	
1 circular plane,	5.00	
3 screwdrivers,	.45	
1 ripping chisel,	.50	
5 gouges,	1.75	
15 chisels, $\frac{1}{8}$-inch to 2-inch,	7.50	
3 old chisels,	1.25	
1 spokeshave,	.50	
1 level,	.35	
14 twist drills, $\frac{1}{8}$-inch to $\frac{5}{8}$-inch,	3.92	
2 bitstocks,	2.00	
28 bits, $\frac{1}{8}$-inch to $1\frac{1}{8}$-inch,	7.00	
2 countersinks,	.50	
1 reamer,	.25	
1 pair cutting plyers,	.65	
1 pair large compasses,	2.00	
1 pair dividers,	.65	
1 sawset,	.65	
20 files,	2.00	
1 slipstone,	.25	
1 axe,	1.00	
1 angle borer,	1.00	
1 expansion bit and 2 cutters,	3.00	
5 augers, 1-inch to 2-inch,	3.00	
1 hollow auger,	4.00	
1 spoke pointer,	1.00	
1 interchangeable screwdriver,	1.25	
1 belt punch,	.65	
1 broom,	.25	
3 bradawls,	.15	
1 ladder,	.40	
4 papers iron tacks,	.20	
6 papers brads,	.30	$327.65

Sewers Built in 1892.

Street.	Location.	Total Cost.	Amount Assessed	Cost per Foot.	Length.	Average Depth.	Cu.yds. Ledge.	Pipe.					Brick.			
								10-in.	12-in.	15-in.	18-in.	24-in.	30-in.	36-in.	48-in.	6
BY SPECIAL	APPROPRIATION.															
Belleville avenue, No. 2,	Sawyer, north 938.70 ft.	$2,066.31	$1,033.16	$2.15	962.70	4.76		187.70			254.00	254.60	266.40			
" No. 3,	From 5 ft. s. of n. line Beetle to 51.40 ft. s. of s. line Beetle,	447.86	223.93	4.65	96.40	11.18	49.00	96.40								
Coggeshall, No. 2,	County, west 250 ft.	921.33	460.69	3.19	289.00	10.57	26.00	289.00								
Cottage, No. 4,	From Locust to 100 ft. n. of Parker,	293.50	146.75	.69	422.90	6.56		422.90								
Court, No. 3,	From Park to 4 ft. e. of w. line Cottage,	2,326.56	1,163.28	1.75	1,328.60	11.40	37.20	1,328.60								
Cove road,	County, west 336.60 ft.	211.22	105.61	.56	374.70	3.63		374.70								
Cove street, No. 2,	From Margin to 282.20 ft. e. of Second,	549.40	274.70	1.18	464.10	7.06	11.68	89.40	245.00	129.70						
Delano, No. 2,	From Water to 4 ft. w. of e. line Second,	412.62	206.31	1.03	394.40	7.09	18.07	394.40								
Emerson,*	From 230 feet n. of Arnold to 100 ft. south of Union,	773.05	549.08	2.76	279.50	9.64		279.50								
Fair,	From Sears to 100 feet e. of Dartmouth,	236.22	118.11	1.05	223.20	6.86		223.20								
First, No. 2,	From Rivet to 116.70 ft. n. of Blackmer,	156.81	78.41	.83	189.20	5.37		189.20								
First, No. 4,	Blackmer, s. 295.60 ft.,	298.17	149.09	.94	317.60	5.64	5.98	317.60								
Front, No. 2,	From contemplated st. s. of copperworks to 4 ft. s. of n. line Logan,	628.32	314.16	.86	734.80	4.40				734.80						
Front, No. 3,	From 4 ft. s. of n. line Logan to 258.10 ft. n. of Logan,	308.39	154.20	1.18	262.10	6.48		262.10								
Front, No. 5,	From Water, via Rivet, to 100.60 ft. n. of Blackmer,	582.32	291.16	1.60	363.50	6.12	19.00	363.50								
Grape,	From 1192 to 1946.60 ft. w. of Oak,	21,637.72		28.67	754.60	21.25	2,355.85								754.60	
Harbor,	From Gifford, s. 399 ft.,	336.28	168.14	.80	421.00	2.51				421.00						
Hemlock,	From Rockland, s. 189 ft.,	209.19	104.60	1.00	208.00	8.30		208.00								
Howard and Beetle,	From Coggeshall to 5 ft. w. of e. line Acushnet av.	3,028.35	1,514.18	5.71	530.30	11.50	262.00	530.30								
Jenney,	From Kempton to 99.50 ft. n. of n. line Court,	621.66	310.83	.67	932.00	4.84		932.00								
Maxfield, No. 4,	From 3 ft. w. of w. line Cedar to 88.30 ft. e. of Cottage,	641.45	320.73	1.23	520.00	10.67		520.00								
Myrtle, No. 2,	From 32.30 ft. e. of Reynolds, in Clark, to 99 ft. n. of Weld, in Myrtle,	2,071.28	1,035.64	2.86	722.30	11.50		722.30								

lson,	From Crapo to 5 ft. e. of w. line County,	761.92	380.96	.69	1,107.30	3.80	3.00	1,107.30									
rchard, No. 4,	From 24.70 ft. n. of s. line Mill road No. 4 to 264.77 ft. n. of Mill road No. 3,	6,537.53		8.47	771.95	about 4.00									771.95		
eckham,	From Cedar Grove, via County, to 5 ft. w. of e. line Reynolds,	2,452.48	1,226.24	3.56	688.50	11.40		389.50		299.00							
wyer,	From 117 ft. w. of Bowditch to Purchase,	1,451.01		20.08	699.70	15.60	997.00										699.70
awmut av., No. 3,*	From 796 ft. n. of Durfee to abt. 4 ft. s. of n. line Grand,	1,325.35	1,638.85	4.17	317.40	12.30			317.40								
ruce,	Sycamore, n. 145.70 ft.	218.69	109.35	1.30	169.00	9.05		169.00									
eld, No. 3,	From 64 ft. w. of County to 100 ft. e. of Mt. Pleasant,	2,002.49	1,001.25	2.17	924.10	11.95		924.10									
est French avenue,	From Cove to 5 ft. s. of n. line Social,	352.28	176.14	.87	405.70	7.16		405.70									
		$66,459.81	$13,255.55		15,890.25												
BY GENERAL	SEWER APPROPRIATION.																
lackmer,	From 3.40 ft. e. of e. line Front to middle of Water,	$572.59		2.52	227.00	7.36	60.00		227.00								
olton rd. and Dunbar st.,	From 43.50 feet e. of Bolton road, in Mill road No. 3, via Bolton road, to 283.30 ft. w. of Bolton rd. in Dunbar,	4,209.60	$4,117.72	5.26	799.80	12.62		299.80	209.80	195.20	87.50						
olton road, Larch, and Swift,	In Bolton road, from Rivet s. 428 ft. In Larch street, from Bolton road w. 222.60 ft. In Swift street, from Bolton road w. 216 ft.	2,678.62	2,593.50	2.82	949.80	12.06	147.20	484.80	465.00								
olton road,	Rivet, n. 222.20 ft.,	565.94	282.97	2.30	245.90	11.10			245.90								
llman,	Curve at corner Newton to connect with Tripp's brook sewer,	633.57		10.12	62.60	8.00								62.60			
owland,	Dock (filling in),	1,665.05															
hn,	From Grape to 51.50 ft. s. of Allen,	405.27	359.96	1.13	358.40	7 12		358.40									
all,	From Grape to 53.20 ft. s. of Allen,	1,032.04	983.77	2.73	377.70	9.22		377.70									
arl and Willis,	Outlet (filling over pipe),	548.96															
		$12,311.64	$8,337.92		3,021.20												
		$78,771.45	$21,593.47		18,895.75			12,247.10	1,710.10	1,779.70	341.50	254.60	266.40	62.60	1526.55	699.70	

Coffin avenue, No. 2, brick, $351.22.

*Portion laid last year and assessment shown here.

Catch-Basins Built in 1892.

Street.	Location.	Cost.
Austin,	Southwest corner Pleasant,	$70.97
Babbitt,	Northwest corner Dartmouth,	72.97
Bedford,	Southwest corner Borden,	42.25
"	Northwest corner Ash,	70.57
Blackmer,	Southwest corner Second,	67.65
Bonney,	Northwest corner Rockland,	70.33
"	Northwest corner Washington,	104.30
Borden,	Northwest corner Allen,	123.62
Campbell,	Southwest corner Summer,	76.95
Clark,	Southwest corner Reynolds,	83.98
Coggeshall,	North side, 489.20 feet east of Bennett,	55.18
"	South side, 484.20 feet east of Bennett,	55.01
"	Northwest corner Bennett,	74.72
Cottage,	West side, 20 feet north of south line Pope,	73.86
County,	Northeast corner Cove,	77.13
Court,	Northwest corner Lindsey,	85.86
Cove,	Southwest corner Cleveland avenue,	70.86
Delano,	Southwest corner First,	83.42
"	Southeast corner Second,	84.30
"	Southeast corner Acushnet avenue,	72.13
"	Northeast corner Acushnet avenue,	71.47
"	Southeast corner County,	73.38
Fifth,	West side, 170 feet north of Grinnell,	71.16
First,	Northwest corner Spring,	80.46
Fourth,	West side, 13 feet north of Potomska,	94.05
Front,	East side, 175.30 ft. south of Blackmer (east),	65.52
"	Northwest corner of Logan,	73.04
Grinnell,	Northwest corner Orchard,	83.23
Hawthorn,	Southwest corner Page,	83.85
"	North side, 2.50 feet west of Page,	82.09
"	Northwest corner Tremont,	79.94
Katharine,	South side, 199 feet east of Crapo,	84.69
Larch,	Northwest corner Juniper,	69.75
Liberty,	Southwest corner Morgan,	85.75
"	Northwest corner Elm,	73.32
Lindsey,	West side, 310.60 south of Kempton,	75.61
Madison,	Northwest corner Acushnet avenue,	79.71
"	Northwest corner Fifth,	78.73
"	Northwest corner Sixth,	69.71
"	Northwest corner Seventh,	96.96
"	Northwest corner County,	82.31
Middle,	Northwest corner Acushnet avenue,	74.87
Mill,	Southwest corner Foster,	74.77
Orchard,	Northwest corner Clinton,	78.01
Park,	West side, 328 feet south of Union,	77.82
"	East side, 328 feet south of Union,	73.50
Pleasant,	West side, 5 feet south of Linden,	87.18
Potomska,	Northwest corner First,	75.04
"	Northwest corner Second,	73.93
"	Northwest corner Acushnet avenue,	71.77
"	Southwest corner Acushnet avenue,	90.47

Catch-Basins Built in 1892—*Concluded.*

Street.	Location.	Cost.
Purchase,	Northwest corner Cedar Grove,	$79.14
Robeson,	Northeast corner Cottage,	74.45
Russell,	Northwest corner Fifth,	68.30
"	Northwest corner Sixth,	93.21
School,	Northwest corner Second,	84.87
"	Northwest corner Fourth,	62.75
"	Northwest corner Fifth,	86.41
Second,	East side, 220.70 feet north of Grinnell,	83.91
"	West side, 208 feet north of Grinnell,	71.46
Shawmut av.,	East side, 425.10 feet north of Durfee,	72.43
Smith,	Southwest corner County,	80.72
"	Southwest corner Cottage,	70.93
Spring,	Northwest corner Second,	79.37
"	Northwest corner Acushnet avenue,	65.44
"	Southwest corner Acushnet avenue,	84.34
Sycamore,	Southwest corner Thomas,	67.95
"	Southwest corner County,	86.06
"	Southwest corner Summer,	80.36
"	Southwest corner Chestnut,	77.99
"	Southwest corner Cottage,	74.96
"	Northwest corner Cottage,	76.82
"	Northeast corner Cedar,	76.96
Union,	South side, 94 feet east of Front,	92.06
"	North side, 92.80 feet east of Front,	69.44
"	Northeast corner Chancery,	75.61
Walnut,	Northwest corner Fourth,	85.15
"	Northwest corner Fifth,	75.63
"	Northwest corner Sixth,	76.92
"	Northwest corner Seventh,	72.19
Weld,	Southwest corner Reynolds,	80.95
"	Southwest corner Myrtle,	74.50
"	Northwest corner Myrtle,	78.76
"	Northwest corner Ashland,	82.70
W. French av.,	Southeast corner Social,	78.34
" "	Southeast corner Welcome,	82.49
Wing,	Northwest corner Fifth,	75.45
		$6,747.17

Total number, 87. Average cost, $77.55.

Repaired.

Sundry small repairs,	$162.80

Discontinued.

Fifth,	West side, 170 feet n. of Grinnell,	Cost with new basin.
Purchase,	Northwest corner Cedar Grove,	" " " "
Smith,	Southwest corner County,	$14.86

Eyeholes Built in 1892.

Street.	Location.	Cost.
Acushnet av.,	West side, 346 ft. south of angle bound No. 25,	$2.17
" "	West side, 1 ft. north of angle bound No. 24,	2.17
Bridge,*	North side, 91.60 ft. w. of w. angle Popes I.,	
Bridge,*	North side, 31.70 ft. e. of w. angle Popes I.,	
Bridge,*	North side, 302.70 ft. e. of w. angle Popes I.,	
Butler,	North side, 1,150 feet west of French avenue,	2.18
"	South side, 1,157 feet west of French avenue,	2.18
Parker,	South side, 153.10 feet west of Park,	10.49
"	North side, 156 feet west of Park,	10.49
Pleasant,	West side, 2 feet north of Linden,	12.08
School,	North side, 6.30 feet west of Fifth,	16.34
Shawmut av.,	South of Hathaway road,	4.82
		$62.92

Total number, 12. Average cost, $6.99.

Repaired.

Front,	East side, 15 feet south of north line School,	$3.00
	Sundry small repairs,	32.79
		$35.79

Discontinued.

Reynolds,	West side, 14 feet south of Clark.	

*Charged under N. B. & F. bridge.

Culverts, New.

Street.	Location.		Length. Feet.	Size.	Cost.
Belleville av.,	9 ft. north of Covell st.,	double,	91.25	24-inch pipe.	$257.79
" "	610 ft. north of Howard av.,	single,	62.00	10 " "	35.19
" "	702 ft. north of Howard av.,	"	62.00	10 " "	35.20
" "	1,008 ft. north of Howard av.,	"	60.00	10 " "	35.19
" "	602.50 ft. south of Main st.,	"	64.00	24 " "	91.67
Front,	55.70 ft. north of Sawyer st.,	"	52.00	18 " "	40.10
Hawthorn,	At new town line,	triple,	50.00	24 " "	294.08
Plainville rd.,	1,644 ft. west of Shawmut av.,	single,	30.00	10 " "	28.80
					$818.02

Repaired.

Belleville av.,	West side, north of Sawyer st.,			$4.28
Dartmouth,	North of Rockdale av.,		24-inch pipe.	13.74
"	North of Rockdale av.,		10 " "	5.91
Logan,	East of Acushnet av.,			15.04
	Sundry small repairs,			17.66
				$56.63

Manholes on Old Sewers, New.

Street.	Location.	Cost.
Coggeshall,	570.50 ft. east of Bennett, 22 ft. south of north line Coggeshall,	$12.62
Water,	7.50 ft. south of north line Rivet,	38.86
		$51.48

Repaired.

Bonney,	Middle of Water,	$.52

Sewers Repaired.

None.

Sewers Flushed and Cleaned.

Street.	Location.	Cost.
Bonney,	South of Rockland,	$5.76
Clark,		12.42
		$18.18

GENERAL SEWERS.

MISCELLANEOUS ACCOUNTS.

Tools, new and repaired,	$823.99	
Catch-basins cleaned,	1,886.15	
Carting stock to City Yard,	348.67	
Office expenses, salaries, etc.,	2,903.11	
Registration clerk,	66.85	
Teaming, board of horses, etc.,	221.25	
Tool houses repaired,	30.66	
Dredging docks,	2,105.65	
Flushing and puddling sewers,	167.79	
Repairs to steam drills and boilers,	504.19	
Repairs to steam pump,	43.93	
Figuring sewer assessments,	100.00	
Insurance on boiler,	50.00	
Unloading cars, and freight,	81.00	
Canvas,	78.00	
Pails, brushes, lamp wicks, copwaste, metallic tapes, and dippers,	47.86	
Rubber boots,	19.50	
Sand pumps,	7.50	
Repairs to spirit levels, fence, battery, pump, hose, and oilers,	56.90	
Crosby clips, coal, sewer forms, and kerosene oil,	20.26	
Labor, handling stock at City Yard,	31.61	
Five steam drills and four boilers,	3,041.10	
Hoisting engine, tubs, steel rope, etc.,	1,177.31	
One centrifugal steam pump,	575.00	
Steam hose, couplings, and reducers,	384.27	
Diaphragm pump, hose, and coupling,	109.67	
Blasting brush, explosives, marline, and spruce plank,	366.64	
Stock furnished highways and streets,	2,888.65	
" " sundry persons,	185.57	
" " N. B. & F. bridge,	1.93	
" " parks and squares,	706.06	
" " sundry sewers,	7,548.95	
Stock on hand, January 1st, 1893,	6,590.46	
General repairs,	799.33	$33,969.81

RECAPITULATION.

GROSS EXPENDITURE, GENERAL SEWERS.

Dr.

Catch-basins built,	$6,747.17	
Catch-basins repaired,	162.80	
Catch-basins discontinued,	14.86	
Manholes built on old sewers,	52.00	
Sewers flushed and cleaned,	18.18	
Eyeholes built,	62.92	
Eyeholes repaired,	35.79	
Culverts and surface drains built,	818.02	
Culverts and surface drains repaired,	56.63	
Filling over Pearl and Willis streets sewer extension,	548.96	
Sewer construction,	1,758.28	
Howland street dock, filling in,	1,665.05	
Miscellaneous accounts,	33,969.81	$45,910.47

Cr.

Sundry appropriations,	$17,700.00	
Transfer from Engineering Department,	7,000.00	
Received for stock,	10,061.39	
Stock on hand, January 1st, 1892,	7,197.40	
Transfer to balance,	3,951.68	$45,910.47

NET EXPENDITURE, GENERAL SEWERS.

Appropriations,	$17,700.00	
Transfer from Engineering Department,	7,000.00	
Transfer to balance,	3,951.68	$28,651.68

NEW SEWERS.

Dr.

Sundry sewers built,		$66,743.36

Cr.

Sundry appropriations,	$84,025.86	
Balance from last year,	1,994.89	
Transfer from Engineering Department,	641.31	$86,662.06
Expended,		66,743.36
		$19,918.70

Coffin avenue sewer, No. 2, balance carried forward,	$7,648.78	
Myrtle street sewer, No. 1, balance carried forward,	750.00	
Myrtle street sewer, No. 2, balance carried forward,	396.39	$8,795.17
Transfer to balance,		$11,123.53

SEWER DEPARTMENT.

INVENTORY OF STOCK AND TOOLS, DECEMBER 31st, 1892.

1 horse,	$150.00
3 large tool houses,	145.00
6 mortar boxes,	9.00
7 small derricks,	140.00
1 boom derrick, with equipments,	300.00
4 large winch derricks,	120.00
57 lanterns,	42.75
5 diaphragm pumps,	150.00
500 feet canvas hose,	50.00
21 sledges,	63.00
55 striking hammers,	82.50
6 drilling hammers,	6.00
333 blow drills,	600.00
100 small hand drills,	18.00
20 lbs. backing and wedges,	3.00
39 blasting spoons,	25.00
60 feet dynamite fuse,	.45
125 lbs. 40 per cent. dynamite,	30.00
10 lbs. blasting powder,	1.30
3 reels connecting wire,	15.00
10 stone chains,	20.00
50 iron bars,	75.00
5 L. H. R. P. shovels,	2.75
120 S. H. R. P. shovels,	69.00
10 mortar hoes,	5.00
231 pickaxes,	231.00
5 large steel wedges,	3.50
23 L. H. S. P. shovels,	12.88
14 trowels,	10.50
4 monkey wrenches,	2.00
10 dirt pounders,	4.00

1 iron square,	$.75
15 narrow axes,	11.25
1 bit and bitstock,	1.50
8 handsaws,	8.50
1000 feet ¾-inch garden hose,	100.00
7 L. H. six-tined forks,	7.00
5 drinking dippers,	1.00
100 pails,	20.00
1 express wagon,	75.00
10 hose wrenches,	5.00
2 large hydrant wrenches,	3.00
4 large brass reducers,	9.76
4 small brass reducers,	5.76
5 water casks,	30.00
7 brick hammers,	3.50
7 diaphragm rubbers for pumps,	14.00
58 tag ropes and hooks,	12.50
7 large iron wedges,	4.90
4 blasting batteries,	20.00
2 long dippers,	1.00
15 two-quart tin dippers,	3.00
3 claw hammers,	1.00
8 spirit levels,	20.00
3 cap crimpers,	.75
9 one-gallon oil cans,	4.50
2 five-gallon oil cans,	1.00
4 pairs pipe tongs,	8.00
2 oil squirters,	1.00
3 chocking hammers,	1.50
9 short ladders,	7.00
18 pony shovels,	9.00
1 bbl. lantern globes,	3.00
5 jackscrews,	20.00
11 sand pumps,	8.00
12 sets blocks and falls complete,	75.00
14 spare blocks,	25.00
3 balls marline,	1.50
1 coil of rope for falls,	15.00
2 cotton marking lines,	2.00
6 iron wheelbarrows,	30.00
3 brick cleaners,	1.20
3 wooden wheelbarrows,	6.00
200 lbs. old canvas,	20.00
63 lantern hooks,	9.45
15 bolts and nuts for Edison pump,	3.75

23,000 feet spruce plank,	$184.00
20,000 feet spruce timber,	200.00
8 street horses,	8.00
4 10-inch single sheave metallic blocks,	30.60
2 10-inch snatch metallic blocks,	22.50
7 10-inch metallic sheaves,	12.60
9 iron catch-basin covers,	19.98
12 flag wash stones, 5 feet by 1 foot,	14.70
8 flag wash stones, 3 feet by 1 foot,	9.80
13 flag catch-basin covers, 5 feet by 5 feet,	95.88
2 large granite covers for catch-basins,	10.00
3½ bbls. Portland cement,	8.93
17 bbls. cement,	17.85
31 manhole castings,	234.90
6 eyehole castings,	25.00
12 dimension stones,	91.20
11 dimension stones,	33.88
12,000 brick,	129.00
68 pieces 5-inch bends, vitrified pipe,	16.99
31 pieces 6-inch bends, vitrified pipe,	10.03
9 pieces 8-inch bends, vitrified pipe,	4.76
46 pieces 10-inch bends, vitrified pipe,	37.19
2 pieces 15-inch bends, vitrified pipe,	2.79
1,748 pieces 5-inch straight vitrified pipe,	256.96
24 pieces 5-inch on 5-inch branches,	6.21
2,046 pieces 6-inch straight vitrified pipe,	360.91
39 pieces 6-inch on 6-inch branches,	12.04
574 pieces 8-inch straight vitrified pipe,	151.88
4 pieces 8-inch on 8-inch branches,	2.39
116 pieces 6-inch on 8-inch branches,	138.46
2,148 pieces 10-inch straight vitrified pipe, 2 ft. long,	820.97
162 pieces 10-inch straight vitrified pipe, 3 ft. long,	92.87
320 pieces 6-inch on 10-inch branches,	275.65
69 pieces 10-inch on 10-inch branches,	59.44
429 pieces 12-inch straight vitrified pipe, 2 ft. long,	214.41
303 pieces 6-inch on 12-inch branches,	341.18
30 pieces 10-inch on 12-inch branches,	33.78
976 pieces 15-inch straight vitrified pipe, 2 ft. long,	717.36
1 piece 15-inch straight vitrified pipe, 1 ft. long,	.37
414 pieces 6-inch on 15-inch branches,	685.26
55 pieces 10-inch on 15-inch branches,	91.04
18 pieces 12-inch on 15-inch branches,	29.79
76 pieces 15-inch straight vitrified pipe, 3 ft. long,	83.79
104 pieces 18-inch straight vitrified pipe,	103.96
175 pieces 6-inch on 18-inch branches,	393.59

57 pieces 10-inch on 18-inch branches,	$128.20	
19 pieces 12-inch on 18-inch branches,	42.73	
10 pieces 15-inch on 18-inch branches,	27.49	
171 pieces 24-inch straight vitrified pipe,	326.78	
55 pieces 6-inch on 24-inch branches,	236.57	
7 pieces 10-inch on 24-inch branches,	30.11	
4 pieces 12-inch on 24-inch branches,	17.20	
2 pieces 15-inch on 24-inch branches, 3 ft. long,	10.51	
2 pieces 18-inch on 24-inch branches, 3 ft. long,	10.51	
18 pieces 6-inch T's,	5.56	
438 pieces 6-inch stoppers,	12.88	
80 pieces 12-inch straight vitrified pipe, 3 ft. long,	59.98	$9,999.11

HOISTING ENGINE AND BOILER.

1 hoisting engine, boiler, and tools,	$900.00	
275 feet ⅝-inch wire rope,	18.15	
200 feet ½-inch wire rope,	14.30	
1 18-inch Stilson wrench,	2.25	
1 12-inch Stilson wrench,	2.25	
1 12-inch flat file,	.20	
1 8-inch round file,	.15	
1 chisel,	.25	
5 flat wrenches,	1.25	
2 glass gauges,	.50	
1 12-inch monkey wrench,	1.00	
4 steel tubs,	90.57	
1 screwdriver,	.50	
1 scoop shovel,	1.00	
1 slice bar,	1.00	
1 hoe,	1.00	
1 oil can,	.25	
1 tool chest,	4.00	$1,038.62

STEAM PUMP.

1 steam pump,	$400.00	
1 tool chest,	4.00	
1 18-inch Stilson wrench,	2.25	
1 12-inch monkey wrench,	.75	
2 tin oil cans,	.20	
2 flat wrenches,	.75	$407.95

STEAM DRILLS.

5 Ingersoll steam drills,	$1,070.95	
1 Rand steam drill,	150.00	
1 tool chest,	3.50	
12 flat wrenches,	6.00	
37 U bolts and nuts,	29.60	
1 split stuffing box,	3.00	
5 rotating ratchets,	30.00	
2 rifle bars,	10.50	
1 feed screw,	6.00	
1 through bolt and nut,	.35	
2 standards and nuts,	3.50	
300 feet steam hose and fittings,	155.40	
4,440 lbs. steel steam drills,	377.40	$1,846.20

PORTABLE BOILERS.

5 upright portable boilers,	$1,651.50	
1 tool chest,	3.50	
5 slice bars,	5.00	
5 hoes,	5.00	
5 pokers,	5.00	
1 18-inch Stilson wrench,	2.50	
1 12-inch monkey wrench,	.85	
1 hand hammer,	1.25	$1,674.60

NEW BEDFORD & FAIRHAVEN BRIDGE.

	Length. feet.	Square yards.	Cost.
New block paving, Popes Island,		723.19	$3,128.66
Cobble paving repaired, Front street to west end of bridge,			72.74
New curbing Popes Island, north side,	737		627.52
New concrete sidewalk, Popes Island, north side,		375.75	214.34
Eyehole, north side, 91.60 ft. west of west angle Popes Isl., Eyehole, north side, 31.70 ft. east of west angle Popes Isl., Eyehole, north side, 302.70 ft. east of west angle Popes Isl.,			4.86
Salaries of draw tender and assistant,			1,138.06
Repairs to woodwork,			282.35
Brooms and brushes,			2.20
Salt,			2.75
Coal,			13.87
Sperm oil,			1.56
Lantern burner, globes, and snow shovel,			1.50
			$5,490.41

CREDITS.

Brought forward from 1891,	$2,634.67
Appropriation,	7,000.00
Credits,	22.22
Total receipts,	$9,656.89
Total outlay,	5,490.41
Transfer to balance,	$4,166.48

PARKS AND SQUARES, 1892.

Dr.

COMMON.

Labor, care of Common,	$556.50	
Dressing, carting and spreading,	399.36	
Repairing and sharpening lawn mowers,	59.44	
Mowing grass, carting tools and rubbish,	54.26	
Painting seats,	37.90	
Repairing pump,	2.00	
Plowing snow,	1.50	
Salt used in gutters,	7.50	
Flagging repaired,	4.42	
Grass seed and sowing,	18.82	
New tools and oil,	3.48	$1,145.18

CITY HALL SQUARE.

Labor, care of square,	$25.66	
Dressing, carting and spreading,	49.19	
Stock and labor on lawn,	122.50	
Repairing and painting seats,	74.64	
Lawn mower fitted and sharpened,	7.17	
Fence and guards around flower beds,	50.91	
Carting stock and rubbish,	6.97	
Lawn sprinkler,	.75	
Labor on flower beds and trimming trees,	2.10	$339.89

CLARKS POINT PARK.

Stock and labor laying surface drain, grading, taking down old buildings, and transportation of laborers,	$1,790.53	
Tools and repairs,	37.17	
Carriage hire and telephoning,	14.00	$1,841.70

HERMAN PARK.

Labor, care of park,	$233.25	
Settees and transportation,	724.30	
Examining land title and making plans,	33.16	
New tools,	76.98	
Hose and lawn sprinkler,	51.50	
Pipe, shingles, and carting,	11.56	
Coal,	12.50	
Telegrams and carriage hire,	2.67	$1,145.92

GROVE SCHOOL PARK.

Labor, filling and grading,	$258.40	
53 settees and transportation,	275.79	
Carriage hire and tools,	2.30	$536.49

PINE GROVE PARK, EAST FRENCH AVENUE.

Labor, cutting bushes and grading,	$488.60	
Surface drain, labor, pipe, and carting,	52.59	
12 settees and transportation,	61.97	$603.16

WEST END PARK.

Examining land titles and making plans,	$91.34	
Carriage hire,	3.00	
Labor,	3.64	$97.98

RECAPITULATION.

City Hall square,	$339.89
Clarks Point park,	1,841.70
Common,	1,145.18
Grove School park,	536.49
Herman park,	1,145.92
Pine Grove park,	603.16
West End park,	97.98
Stock and labor to highways and streets,	7.30
Stock and labor to general sewers,	19.25
	$5,736.87

CREDITS.

Appropriation,	$3,000.00
Transfer from Park Bonds,	10,000.00
Credits,	55.55
	$13,055.55
Expended,	5,736.87
Carried to 1893 account,	$7,318.68

ENGINEERING DEPARTMENT.

Office expenses,	$2,324.70
Record of drains entered,	183.84
Record of new work,	104.91
Record of branches,	.33
Record of grades,	63.58
Record of sewers,	292.75
Plans of catch-basins, eyeholes, culverts, etc.,	16.71
Grades for property owners,	198.43
Defining street lines,	57.54
Copying plans of street layouts,	334.63
Layouts of new streets,	1,064.54
Setting bound stones,	308.40
Corrections and additions to section plans,	35.47
Correcting office maps,	16.40
Report for 1891,	84.45
Report for 1892,	28.42
Coggeshall street bridge,	7.83
Information furnished the assessors,	7.50
Repairs of instruments, tapes, etc.,	57.55
Assessment plans, plotting city,	6,560.00
Numbering streets,	13.23
Court cases,	12.22
Car tickets,	165.00
Survey of city,	104.88
New instruments, tapes, etc.,	67.10
New grade established,	89.35
Telephone and carriage hire,	31.00
Levels and plan City Hall lot,	3.61
Plan Clarks Point park,	10.06
Plan Cove road,	1.17
Levels and measures No. 5 engine house,	1.04
Plans New Bedford and Fairhaven bridge,	3.99

Sundry small sewer items,	$40.96	
Sundry small street items,	94.54	
Plans, dock soundings,	4.65	
Soundings, Plainville pond,	4.40	
Soundings, Maxfield street dock,	7.74	
Soundings, Hazard's wharf,	2.09	
Soundings, dock at foot of School street,	7.31	
Soundings, Philadelphia & Reading C. & I. Co.'s dock,	8.88	
Work done for sundry persons,	143.41	
Work done for parks and squares,	24.50	
Work done for highways and streets,	267.23	
Work done for general sewers,	264.60	$13,120.94

Cr.

Brought forward from 1891,		$250.64
Appropriation,		20,000.00
Credits,		656.80
		$20,907.44
Expended, plotting city,	$6,560.00	
Expended, department work,	6,560.94	
Total outlay,	$13,120.94	
Transferred to other departments,	7,641.31	20,762.25
Transfer to balance,		$145.19

PUBLIC WORKS, PERMANENT IMPROVEMENTS.

	Length. Feet.	Cost.
New sea wall, Cove road, between Crapo and Orchard streets,	289.4	$2,564.52

Cr.

Brought forward from 1891,	$4,750.07
Credits,	3.38
	$4,753.45
Expended,	2,564.52
Transfer to balance,	$2,188.93

Street.	Location.	Pipe.			Brick. Inch.	Depth. Feet.	
		Glazed. Inch.	Cement. Inch.	Iron. Inch.			
Acushnet av.,	Delano to 61 ft. s. of Blackmer,	12				— to 5.7	—
"	Rivet to Potomska,	15				7	—
"	Potomska to Rockland,	15				7 to 6.7	—
"	Rockland to South,	12				6.7 to 5.5	—
"	From 305 ft. s. of Howland to Bedford,				24	—	—
"	Bedford to Russell,				24	—	—
"	Walnut n. 180 ft.,					6.5 to 7.2	—
"	Union n. 263 ft.,	10	14x18			—	—
"	Mill to North,				24	—	—
"	From 88 ft. n. of Maxfield to 310 ft. s. of Campbell,	15				7.5 to 7	—
"	From 410 ft. n. of Maxfield to Campbell,	24				6	—
"	Campbell to Willis,	12				—	—
"	Willis to Pearl,	15				—	Branches.
"	Pearl to Pope,	18				—	Branches.
"	Pope to Seneca,	12				4	—
"	Merrimac to Logan,				42	6 to 8.3	—
"	Merrimac to Wamsutta,				24	—	—
"	Cedar Grove to Marvin,	15				7 to 4.3	—
Allen,	Green to Bonney,	12				5.5 to 7.8	—
"	Bonney to Cottage,				54	—	—
"	Cottage to 55 ft. e. of Borden,	15				9 to 10	—
Arnold,	County to Orchard,	12				10.6 to 11.3	Branches.
"	Cottage to Lincoln,	15				11.5 to 8	—
"	Lincoln to Ash,				20	—	—
"	Ash to Park,				48	11.5, 10.4, 11.5	—
"	Park w. 27 ft.,	15				—	—

Arnold,	From 27 ft. w. of Park to Tremont,	12				—	—
"	Tremont to James,	12				9 to 11.5	—
Ash,	Bedford to Hawthorn,				54	—	—
"	Hawthorn to Arnold,				48	— to 11.5	—
"	Arnold to Union,	12				5	—
"	Elm to Middle,		16x18			—	—
"	Middle to 75 ft. s. of Kempton,		14x18			—	—
Atlantic,	From 155 ft. n. of Arnold to Union,	10				7.8 to 7.2	—
Austin,	Purchase to 135 ft. e. of State,				24	—	—
"	From 135 ft. e. of State to County,		16x18			—	—
"	County to 62 ft. e. of Ashland,	15				8	—
"	From 90 ft. w. of Ashland to Cedar,	15				8 to 8.5	—
"	Cedar to Wilson,				30	9.3 to 8	—
"	Wilson st. to 34 ft. e. of Shawmut av.,	12				8.5 to 9	—
Babbitt,	Dartmouth to Field,	12				11 to 11.5	Branches.
Barkers court,	Second st. to Acushnet av.,	12				6, 7, 4	—
Bay,	Ward to Columbia,	10				—	—
Bedford,	Acushnet av. to County st.,				24	—	—
"	Borden to Ash,				54	—	—
Beetle,	Howard st. to Acushnet av.,	10				12	Branches.
Belleville av.,	From 51.4 ft. s. of Beetle to Sawyer,	10				11 to 8.5	Branches.
"	Sawyer to Holly,				30	8	Branches.
"	Holly to Tallman,	24				8	Branches.
"	Tallman to Nye,	18				8	Branches.
"	Nye n. 147 ft.,	10				8	Branches.
Blackburn,	Cedar Grove n. 197 ft.,	12				8.5	—
Blackmer,	From river to 900 ft. e. of Front,	15				5.2 to 5	—
"	From above to Front,	12				5 to 8	—
"	From 3.4 ft. e. of Front to Water,	12				8 to 6.5	Branches.*
"	Water to First,	12				6.5 to 5.5	—
"	First to Second,	10				5.5 to 5.8	—
"	Second to 40 ft. e. of County,	12				5.8 to 6.2	—
Bolton road,	From Millroad No. 3 n. to a contemplated st.,	15				12	Branches.†
" "	From contemplated street to Dunbar,	12				12	Branches.†
" "	Swift to Rivet,	12				12 to 12.5	Branches.†

*South side. †West side.

List of Sewers—*Continued.*

Street.	Location.	Pipe.			Brick. Inch.	Depth. Feet.	
		Glazed. Inch.	Cement. Inch.	Iron. Inch.			
Bolton road,	Rivet n. 222 ft.,	12				11	Branches.
Bonney,	Across Cove road,				72	9.8	—
"	From 253 ft. s. of Rivet to Rockland,				72	11 to 13	—
"	Rockland to Grinnell,	24				11 to 12	—
"	Grinnell to Allen,				54	—	—
Borden,	Dartmouth to Bay,	15				9.5	—
"	Bay to 39 ft. s. of Allen,	12				9.5	—
Bowditch,	Logan to Weld,				20	—	—
"	Weld to Cedar Grove,	18				10, 7, 13	—
"	Cedar Grove to 50 ft. s. of Coggeshall,	10				13 to 11.5	Branches.
Bullock,	Austin to Trinity,	12				8.7 to 6.8	Branches.
"	Trinity to 125 ft. s. of Durfee,	10				6.8 to 7.3	Branches.
Campbell,	Acushnet av. to Purchase st.,				24	—	—
"	Purchase to State,				20	—	—
"	State to Cottage,	15				6.7 to 9.5	—
"	Cottage to 97 ft. e. of Cedar,	12				9.5 to 6.5	—
"	From Cedar w. 130 ft.,	10				11.6 to 12	Branches.
"	From 130 ft. w. of Cedar to Park,	12				12 to 6	Branches.
Cedar,	Middle n. 96 ft.,	10				—	—
"	From 130 ft. n. of Parker to Locust,	10				—	—
"	Maitland to Robeson,	12				7.1 to 7.3	—
"	Robeson to Austin,				36	8.6 to 9.3	—
"	Austin to 80 ft. n. of Collins,	12				8.5 to 8.3	—
Cedar Grove,	Rock to 35 ft. w. of Howard,	15				6 to 7	—
"	From 35 ft. w. of Howard st. to Acushnet av.,	12				7	—
"	Bowditch w. 245 ft.,	18				13.4 to 8.2	Branches.
"	From 245 ft. w. of Bowditch to Blackburn,	12				8.2 to 8.5	Branches.

Cedar Grove,	Purchase to County,	18				7.5 to 9.5	—
"	At County,	15				12	Branches.
"	County w. 245 ft.,	12				12 to 12.4	Branches.
Chancery,	Arnold n. 375 ft.,	12				7.5	—
Chestnut,	Parker to Locust,				42	7.5 to 7	—
"	Locust n. 100 ft.,	12				7	—
Clark,	Purchase to County,	12				7.5 to 6.5	Branches.
"	County to 32.3 ft. e. of Reynolds,	12				—	—
"	From 32.3 ft. e. of Reynolds to Myrtle,	10				7.5 to 12	Branches.
Clinton,	County to 93 ft. e. of Orchard,	10				—	Branches.
"	From 65 ft. w. of Cottage to Ash,	12				9	—
Coffin av.,	Bowditch w. 293 ft.,	15				8 to 7.5	—
"	From 293 ft. w. of Bowditch to Purchase,	18				8	—
Coffin,	From river to 320 ft. e. of Water,	24				8.4 to 4.7	—
"	From above to Water,				30	—	—
"	Water to Second,	15				5.9 to 8	—
Coggeshall,	From River to Rock,	18				6.5 to 8.5	—
"	Rock to Acushnet av.,	18				8.5 to 12	—
"	County w. 250 ft.,	10				10.5 to 12	Branches.
Collins,	From 235 ft. w. of Cottage to Cedar,	12				8.1 to 8.5	—
Columbia,	From 50 ft. n. of Clay to Bay,	10				—	—
"	Bay to 40 ft. s. of Allen,	10				—	—
Cottage,	Dartmouth to Bay,	10				—	—
"	Allen n. 220 ft.,				54	—	—
"	Arnold to 142 ft. s. of Union,	12				11.5 to 11	—
"	From 100 ft. n. of Parker to Locust,	10				5 to 8.5	Branches.
"	Locust to Robeson,				42	8.6 to 11.5	—
County,	Clarks Cove to 52 ft. s. of n. line Cove road,	24				— to 3.8	—
"	Cove road to Cove st.,	18				3.8 to 7	Branches.
"	Rivet n. 219 ft.,	10				5	Branches.
"	From 99 ft. s. of Thompson to Rockland,	10				4.5 to 6.5	—
"	Rockland to Fair,	10				6.5 to 7	Branches.
"	Washington to Grinnell,		16			6	—
"	Wing to 127 ft. s. of Bedford,	12				8 to 8.5	—
"	Walnut to Arnold,	12				7.1 to 12.3	Branches.

List of Sewers—*Continued.*

Street.	Location.	Pipe.			Brick. Inch.	Depth. Feet.	
		Glazed. Inch.	Cement. Inch.	Iron. Inch.			
County,	Robeson to Hazard,	15				10 to 9.5	—
"	From 155 ft. n. of Linden to Weld,	10				11.7 to 8.7	—
"	From 115 ft. n. of Weld to Clark,	10				11 to 9.8	Branches.
"	Cedar Grove to Peckham,	15				10.5	Branches.
"	From 75 ft. n. of Peckham to Coggeshall,	10				11	—
"	Coggeshall n. 265 ft.,	12				11.2 to 9.6	—
"	From 265 ft. n. of Coggeshall to Sawyer,	15				9.6 to 7.8	—
Court,	Cottage to Park,	10				8.5 to 12	Branches.
"	Park to Florence,	15				7.5 to 9	—
"	Florence w. 450 ft.,	12				9 to 10	—
Cove road,	Margin to County.	24				4.5 to 3.8	—
"	County w. 336.6 ft.,	10				6	Branches.*
Cove,	From river to 500 ft. e. of Water,	18				5.3 to 6.4	—
"	From above to Water,	15				6.4 to 7.6	—
"	From 100 ft. west of Water to First,	10				7	Branches.
"	First to Second,	12				7	Branches.
"	Second to Margin,	15				7	Branches.
Crapo,	Clarks Cove to 100 ft. n. of Katharine,	18				8 to 8.8	—
"	Clarks Cove to Grinnell,				54	7 to —	—
"	From 100 ft. n. of Katharine to Independent,	10				8.8 to 8.5	Branches.
Dartmouth,	Larch to Babbitt,	12				11	Branches.
"	Oak to Hickory,	24				15 to 10.5	—
"	Hickory to Borden,	15				9.5	—
Delano,	From 21 ft. w. of Front to Water,	8				7.1 to 5.5	Branches.
"	Water to Second,	10				7	Branches.
"	From 156 ft. e. of Acushnet av. to County st.,	12				—	—
Division,	From 34 ft. e. of Second to County,	10				8	—

Division,	County to Crapo,	12			8, 4.8. 8	—
Drain,	From First to Water at about 40 ft. s. of Spring,	24			—	—
Dunbar,	Bolton road w. 283.3 ft.,	10			12	Branches.
Durfee,	Mt. Pleasant to Wilson,	15			8	—
"	Wilson w. 72 ft.,	15			8.2 to 7.8	—
"	From 72 ft. w. of Wilson to Shawmut av.,	15			8.5 to 16.5	Branches.
Elm,	From the river to Purchase,			30	—	—
"	Purchase to County.			24	—	—
"	From 7 ft. w. of Summer to Park,			24	—	—
"	Park to Newton,			48	8 to 7.2	Branches.
"	Florence to Rounds,	10			4.1 to 9.4	—
Emerson,	Arnold to 100 ft. s. of Union,	10			11.3 to 12	Branches.
Field,	Grape to 53.2 ft. s. of Allen,	10			11	Branches.
Fair,	Sears to 100 ft. e. of Dartmouth,	10			7 to 6.5	Branches.
Fifth,	Russell to 123 ft. s. of Madison,	10			9.5 to 11.5	Branches.
First,	Blackmer s. 295.6 ft.,	10			5.5 to 6.5	Branches.
"	From 116.7 ft. n. of Blackmer to Rivet,	10			5.5	Branches.
"	Potomska n. 133 ft.,	12			5.5 to 4.7	—
"	From 45 ft. s. of Spring to 85 ft. s. of Union,	10			—	—
Florence,	Court to Kempton,	10			8, 3, 8	—
"	Kempton to Hillman,	12			—	—
Fourth,	Thompson to Potomska,	10			—	—
"	Washington to Grinnell,	10			—	—
"	Russell to 82 ft. s. of Madison,	10			6.8 to 9.7	Branches.
Franklin,	Purchase to Pleasant,	15			—	—
"	Pleasant to County,	15			6.2 to 7.8	Branches.
Front,	From 113 ft. n. of Delano to Blackmer,	10			6 to 8.3	—
"	From 100.6 ft. n. of Blackmer to Rivet,	10			6.5	Branches. †
"	Potomska to South,	15			4 to 4.3	—
"	From 98 ft. n. of South to Grinnell,	10			4.7 to 5.9	Branches.
"	Grinnell to Howland,			24x36	—	Branches.
"	From contemplated st. s. of copper works to Logan,	15			3.5 to 5.5	—
"	Logan n. 258.1 ft.	10			5.5 to 7	Branches.

*North side. † West side.

List of Sewers—*Continued.*

Street.	Location.	Pipe. Glazed. Inch.	Pipe. Cement. Inch.	Pipe. Iron. Inch.	Brick. Inch.	Depth. Feet.	
Front,	Hicks to Washburn,	12				6.4 to 8.4	—
"	From 107 ft. n. of Cedar Grove to Coggeshall,	10				8.5 to 11.5	Branches.
Fruit,	Juniper to Dartmouth,	10				10.8 to 12.5	Branches.
Gifford,	River to 506 ft. e. of Water,	18				7.5 to 5	—
Grape,	Oak to 85 ft. w. of Page,				36	12.5 to 13.5	—
"	From 85 ft. w. of Page to 12 ft w. of Small,				48	13.5	Branches.
"	From 12 ft w. of Small to 15 ft. w. of West,				36	13.5 to 17.5	Branches.
"	From 1192 to 1946.6 ft. w. of Oak,				48	18.5 to 24.5 to 20	Branches.
Green,	Allen n. 255 ft.,	12				5.5	—
Griffin,	Water to 73 ft. w. of Second,	10				6 to 9.3	—
Grinnell,	Front to County,				24x36	—	Branches.
"	County to 92 ft. e. of Crapo,		14x18			6	—
"	Crapo to Bonney,				54	—	—
"	Bonney to Orchard,	15				10.5 to 9.5	—
"	Orchard to angle,	12				4 to 5.6	—
"	From angle w. of Orchard to Dartmouth,	10				7	—
Hall's court,			10			3.5	—
Hall,	Thompson to 120 ft. s. of Rockland,	10				8.4 to 9.4	—
Harbor,	Gifford s. 399 ft.	15				6	Branches.
Harmony,	From 52 ft. n. of Middle Point road to Cove,	12				9.8 to 6.5	—
Hawthorn,	From 87 ft. w. of Orchard to 25 ft. w. of Irving court,	10				—	Branches. Branches.
"	From 25 ft. w. of Irving court to Ash,	12				6.5	Branches.
"	Ash w. 110 ft.,				24	—	—
"	From 110 ft. w. of Ash to 380 ft. w. of Page,	15				6.5 to 8.5	—
"	From 380 ft. w. of Page to 264 ft. w. of Brigham.	12				4.1 to 5	—

Hazard,	Purchase to County,	10		24	—	—
Hemlock,	Rockland s. 189 ft.,	15			11.5	Branches.
Hickory,	Dartmouth to Ward,	15			9.3 to 11	—
Hicks,	Front to 58 ft. e. of Acushnet av.,	12			6, 9, 7.3	—
High,	From river to 117 ft. e. of water,*				—	—
"	From 117 ft. e. of Water to Purchase,			30	—	—
"	Purchase to County,			18	—	—
Hillman,	Second to Pleasant,			30	—	—
"	Pleasant to County,			24	—	—
"	County to Chestnut,			20	—	—
"	From 90 ft. w. of Chestnut to 65 ft. w. of Ash,			24	—	—
"	From 65 ft. w. of Ash to Park,	18			7 to 8.4	—
"	Park to Newton,			36	9 to 10.4	—
"	Newton to Liberty,			48	10.7 to 11.2	—
"	Liberty to Florence,	18			11.2 to 10.2	Branches.
"	Florence to Hunter,	15			10.2 to 12	Branches.
Howard,	From 125 ft. w. of Cedar Grove to Coggeshall,	10			8.5 to 10.8	Branches.
"	Coggeshall to Beetle,	10			10.5 to 12	Branches.
Howland,	From river to 46 ft. e. of Prospect,†				—	—
"	From 46 ft. e. of Prospect to Acushnet av.,			36	—	—
Hyacinth,	Rivet n. 256 ft.,	10			6.5	Branches.
Independent,	From 62 ft. w. of County to Crapo,	10			8 to 8.8	Branches.
James,	Arnold to 123 ft. s. of Union,	12			11.5, 9, 11.5	—
Jenney,	From 99.5 ft. n. of Court to Kempton,	10			7.5	Branches.
John,	Grape to 51.5 ft. s. of Allen,	10			11.5	Branches.
Juniper,	Larch to Rivet,	15			12 to 15	Branches.
"	Rivet to Fruit,	12			15 to 10.8	Branches.
Katharine,	From 58 ft. w. of County to Crapo,	12			8, 6.3, 8	—
Kempton,	Second to 113 ft. e. of Purchase,	10			10.9 to 11.3	—
"	Purchase to Summer,			24	—	—
"	Summer to Cottage,			24	—	—
"	Cottage to Cedar,	12			12 to 12.9	Branches.
"	Cedar to Newton,	15			12.9 to 11	Branches.
"	Newton to Jenney,	18			—	—

*Built of wood. †Built of wood, 36 inches.

List of Sewers—*Continued.*

Street.	Location.	Pipe.			Brick. Inch.	Depth. Feet.	
		Glazed. Inch.	Cement. Inch.	Iron. Inch.			
Kempton,	Jenney to Beach,	15				—	—
"	Beach to Rockdale av.,	12				—	—
Larch,	Bolton road w. 222.6 ft.,	10				12	Branches.
"	Juniper to Dartmouth,	12				10.8 to 11.6	Branches.
Liberty,	Court to Elm,	12				—	—
"	Elm to 125 ft. s. of Kempton,	10				—	—
Lincoln,	Arnold to Union,				20	8 to 7	—
Linden,	Purchase to County,	12				8 to 7	Branches.
"	County to 40 ft. e. of Ashland,	12				8 to 6	—
Lindsey,	From jog to Kempton,	12				9, 4, —	—
Locust,	Chestnut to Cottage,				42	7 to 8.3	—
"	Cottage to 10 ft. e. of Shawmut av.,	15				7.3 to 10	—
Logan,	Acushnet av. to Purchase,				36	8.3 to 11.4	—
Madison,	Water to Second,				30	—	—
"	Second to County,				24	—	—
"	County to Orchard,				20	—	—
Maitland,	Cedar w. 284 ft.,	12				7.1 to 11.5	—
Maple,	Cottage to Ash,		12			—	—
Margin,	Cove road to Cove st.,	18				4.5 to 7	Branches.
Market,	Pleasant to Sixth,	12				6.5 to 10.2	Branches.
Marvin,	Howard w. 235 ft.,	10				8 to 9	Branches.
Maxfield,	From river to Purchase,				30	—	—
"	Purchase to County,				24	—	—
"	From 88.3 ft. e. of Cottage to Cedar,	10				9.5 to 12	Branches.
"	County to Chestnut,				20	—	—
"	Cedar to Park,	15				10 to 8.4	—
Mechanics l.,	Sixth to Eighth,				20	—	—

Merrimac,	From river to Acushnet av.,				42	6	—
"	From river to Pleasant,				24	—	—
"	Pleasant to State,				20	—	—
Middle,	From river to Front,	24 20 18				5.6 to 4.7	—
"	Front to Purchase,				30	—	—
"	Purchase to Summer,				24	—	—
"	From 20 ft. w. of Summer to Cedar,				20	—	—
"	Cedar to Ash,		16x18			—	—
Mill,	Acushnet av. to Hill,				24	—	—
"	Hill to County,		14x18			6.3	—
"	From 35 ft. w. of Summer to Cedar,		16x18			—	—
"	Park to Newton,	15				11 to 11.7	—
"	Florence to Rockdale av.,	10				6.3 to 12	Branches.
Mosher,	County to Crapo,	12				5.8, 5, 7.5	—
Mt. Pleasant,	Durfee to 65 ft. n. of Weld,	15				6.5 to 8	—
Myrtle,	From 99 ft. n. of Weld to Clark,	10				12	Branches.
Nelson,	County to Crapo,	10				5.5 to 7.5	Branches.
Newton,	Elm to Hillman,				48	7.2, 11.5, 10	Branches.
North,	From river to Purchase,				30	—	—
"	Purchase to County,				24	—	—
"	County to 10 ft. e. of Chestnut,	12				9.5	—
"	Chestnut to Cedar,		16x18			—	—
"	Cedar to Newton,	15				—	—
Oak,	Dartmouth to 27 ft. s. of Allen,				48	14	—
Orchard,	Clark's Cove to Cove road,			48		—	—
"	Cove road to 264.8 ft. n. of Mill road No. 3,				48	9.5 to 9	—
"	Grinnell to 100 ft. s. of Dartmouth,	15				6	Branches.
"	Madison to Arnold,	12				—	—
Page,	Grape n. to 20-foot way,	15				12.2 to 12.5	Branches.
"	From 20-foot way to 50 ft. s. of Allen,	10				12.5 to 11	Branches.
Park place,	Sixth w. 310 ft.,	12				10.2 to 12	—
Park,	Arnold to Elm,				48	11.5, 8, 10	Branches.
"	Elm to 148 ft. s. of Kempton,	12				6.5 to 9	—

List of Sewers—*Continued.*

Street.	Location.	Pipe. Glazed. Inch.	Pipe. Cement. Inch.	Pipe. Iron. Inch.	Brick. Inch.	Depth. Feet.	
Park,	Hillman to Parker,				30	9	—
Parker,	From 110 ft. west of County to Summer,	12 8				—	—
"	Summer to Chestnut,				42	6 to 7.5	—
"	Chestnut to Cedar,	12				7.5 to 6	—
"	Cedar to 18 ft. e. of Shawmut av.,	10				6	—
"	Shawmut av. to Park,	12				7.3 to 9	—
Pearl,	From river to 360 ft. e. of Acushnet av.,			24		—	—
"	From the above to Acushnet av.,	24				—	—
"	Acushnet av. to Washington av.,	15				5.3	—
Peckham,	County to Reynolds,	10				10.5 to 12	Branches.
Penniman,	Purchase to County,	18				6.5 to 7.5	Branches.
Pleasant,	Market to William,	12				6.5 to 7	—
"	Sycamore n. 98 ft.,				36 sq.	—	—
Pope,	Purchase to County,		14x18			—	—
"	From 377 ft. w. of County to Chestnut,	10				7.3 to 7	Branches.
Potomska,	Prospect to 25 ft. e. of Fourth,				30	4.3 to 8.5	Branches.
Prospect,	Potomska to Rockland,				30	4.3 to 5	—
"	From 41 ft. s. of Grinnell to Howland,	10				5.7 to 7.3	Branches.
Purchase,	Union n. 215 ft.,	10				13.5	Branches.
"	Pope to Franklin,	15				11.6 to 10	—
"	Hazard to Wamsutta,	18				14.3 to 13.9	Branches.
"	Wamsutta to Austin,	18				17 to 14.2	Branches.
"	Austin to 67 ft. s. of Linden,	15				14.2 to 11.3	Branches.
"	Linden to Logan,	18				8.5 to 10.5	Branches.
"	Logan to Penniman,				36	11.4 to 9	—
"	Penniman to Cedar Grove,				36	8 to 9	Branches.

Purchase,	Purchase, at O. C. R. R. crossing, to Coffin avenue,	18			7.5 to 8	—
Reynolds,	Weld to Clark,	12			—	—
Richmond,	Parker to 118 ft. s. of Locust,	12			7.5	—
Rivet,	Front to Water,	10			6.5	Branches.
"	Water to 79 ft e. of Acushnet av.,	10			6.2 to 5	—
"	Acushnet av. w. 85 ft.,	10			7	Branches.
"	Fourth to Crapo,	15			—	—
"	Bonney to Juniper,	18			9.4, 6, 9.6	—
"	Juniper to Dartmouth,	15			10 to 12.8	—
Robeson,	County to Ashland,	15			9.5 to 8.3	—
"	Ashland to Cottage,	15			7.6 to 11.5	—
"	Cottage to Cedar,			42	11.5 to 8.6	—
Rockland,	From river to Prospect,			30	4.5 to 5	—
"	Acushnet av. to County,	12			6.5	—
"	County to 112 ft. w. of Warwick,	10			—	—
"	Hall to Crapo,	10			—	—
"	Bonney to Orchard,			54	11.3 to 12	—
"	Orchard to 250 ft. e. of Dartmouth,			48	12 to 12.5	—
"	From above to Dartmouth,			54	12.5 to 16.5	—
Russell,	Acushnet av. to 72 ft. e. of Fifth,	24		24	—	—
"	From above to Fifth,				9 to 9.5	—
"	Fifth to County,	24		20	—	—
Sawyer,	From river to 4 ft. e. of w. line Rock,	12			9 to 8	Branches.
"	Rock w. 310 ft.	10			8 to 15	Branches.
"	From 310 ft. w. of Rock to 47 ft. e. of Front,			66	15 to 16	—
"	From 47 ft. e. of Front to Acushnet av.,			48	16	—
"	Acushnet av. to Bowditch,			54	15	—
"	Purchase to County,	18			6.4 to 7.8	—
School,	From river to Second,			30	—	—
"	Second to County,			24	—	—
Sears,	Fair to Washington,	10			9.8 to 6.8	Branches.
Second.	From 298 ft. n. of Rivet to Potomska,	10			6.5 to 6.2	Branches.
"	Potomska n. 205 ft.,	12			6	—
"	Grinnell n. 210 ft.,	12			—	—

List of Sewers—*Continued.*

Street.	Location.	Pipe.			Brick. Inch.	Depth. Feet.	
		Glazed. Inch.	Cement. Inch.	Iron. Inch.			
Second,	From 228 ft. n. of Grinnell to Howland,	12				—	—
"	From 114 ft. n. of Cannon to Coffin,	15				8 to 6.1	—
"	School to Spring,				24	—	—
"	Union to Barker's court,	12				5 to 7	—
"	High to Kempton,	10				10.7 to 10.9	—
"	Hillman to Maxfield,				30	—	—
Shawmut av.,	Willis to 50 ft. s. of Parker,	12				—	—
"	Parker to 8 ft. s. of Locust,	12				7.3 to 10.5	—
"	Durfee to Grand,	12				16.5 to 11.4	Branches.
Sherman,	County to 98 ft. e. of Bonney,	10				6.5 to 9.3	—
Short,	From Page through 20-foot way to 54 ft. s. of Allen,	10				5.7 to 9.5	Branches.
Sixth,	Wing to 90 ft. s. of Bedford,	10				6 to 7.5	Branches.
"	William to Mechanics lane,				20	—	—
Smith,	Walden to County,	18				12.7	Branches.
"	County to Cedar,				20	—	—
"	From 37 ft. w. of Cedar to Shawmut av.,	10				—	—
"	Shawmut av. to Park,	12				—	—
South,	Front to Water,	15				4.3 to 5.2	—
"	Water to 55 ft. e. of Acushnet av.,	12				5.2 to 7	—
"	Acushnet av. to 75 ft. e. of County,	12				5.5	—
Spring,	Second to County,				24	—	—
Spruce,	Sycamore n. 145.7 ft.,	10				9	Branches.
"	Parker n. 208 ft.,	10				8.7 to 5.3	Branches.
"	From 303 ft. n. of Parker to Locust,	10				7.3 to 6.5	Branches.
Stone,	From Page through 20-foot way to 53 ft. s. of Allen,	10				12 to 9.5	Branches.

Summer,	Willis to Parker,			42	6.6 to 6	—
Swift,	Bolton road n. 216 ft.,	10			12	Branches.
Sycamore,	From Acushnet av. to Pleasant at about 98 ft. n. of Sycamore,			36 sq.	—	—
"	Pleasant to State,			36	—	—
"	From 15 ft. e. of State to Walden,	24			7.2 to 11	Branches.
"	County to Cedar,		16x18		—	—
"	Cedar to 80 ft. e. of Chancery,	10			12, 12.5, 10.6	Branches.
"	From above to Park,	12			10.6 to 8.5	Branches.
Thompson,	County to Crapo,	12			4 to 7.3	Branches.
Tremont,	Hawthorn to 101 ft. s. of Arnold,	10			10 to 11.8	Branches.
"	From 163 ft. n. of Arnold to Union,	10			8.5 to 11	—
Tripp's brook,	Cottage through private property to Bedford at Borden,			54	—	—
Union,	From river to 35 ft. w. of Acushnet av.,			30	—	—
"	From above to Purchase,	24			8.7 to 13.5	—
"	Purchase to Cottage,			24	—	—
"	Ash to Park,	15			9 to 8	—
"	Park to Tremont,	15			7.5 to 10.6	—
"	Tremont to Sisson,	12			10.6 to 11	—
Vera brook,*	From Front to 90 ft. w. of Fifth at about 220 ft. n. of Grinnell,		{ 19x24 { 16		—	—
Walden,	Sycamore to Smith,	18			11 to 12.7	Branches.
Wall,	From river to 150 ft. e. of Acushnet av.,	12			6	Branches.
"	From above to Acushnet av.,	10			6	Branches.
Walnut,	From river to Water,			30	—	—
"	Water to County,			24	—	—
Wamsutta,	Acushnet av. w. 130 ft.,			24	—	—
"	From above to Purchase,	24			10 to 17	—
Ward,	Hickory to Allen,	15			10.5 to 10	—
"	Allen n. 103 ft.,	10			11 to 12	Branches.
Warwick,	Thompson to 104 ft. s. of Rockland,	10			5.2 to 6.7	—
Washburn,	From river to 10 ft. e. of Acushnet av.,	15			3, 12.5, 10	—
Washington,	Fourth w. 140 ft.,	10			—	—
"	County to 130 ft. e. of Crapo,		14x18		5.5	—
"	Bonney to 45 ft. w. of Sears,	12			10	—

*Partly wood and partly stone.

List of Sewers—*Concluded.*

Street.	Location.	Pipe. Glazed. Inch.	Pipe. Cement. Inch.	Pipe. Iron. Inch.	Brick. Inch.	Depth. Feet.	
Washington,	From above to 100 ft. e. of Dartmouth,	10				10	—
Water,	Cove to Gifford,	10				8.3 to 6.7	Branches.
"	From 14 ft. n. of Division to Delano,	10				— to 7.7	—
"	Delano to Blackmer,	12				7.7 to 6.5	Branches.
"	Blackmer to Rivet,	15				6.5 to 5	Branches.
"	Rivet to Potomska,	18				5	—
"	Potomska n. 100 ft.,	15				5.3	Branches.
"	From above to 30 ft. s. of South,	12				5.3 to 4	Branches.
"	From 38 ft. n. of Grinnell to Howland,	15				4.8 to 6	—
"	Howland to Cannon,		12			5 to 5.3	—
"	Cannon to Coffin,				24	—	—
"	Coffin to Madison,				30	—	—
"	Madison n. 140 ft.,	12				5.7 to 6	—
"	Union to William,		12			—	—
"	William to Elm,				30	—	—
"	Elm to Middle,				30	—	—
Weld,	Purchase to State,	10				—	—
"	State to 64 ft. w. of County,	15				8 to 9.5	—
"	From 64 ft. w. of County to 100 ft. e. of Mt. Pleasant,	10				9.5 to 12	Branches.
W. French av.,	Social to Cove,	10				7.5 to 7	Branches.
William,	Water to Purchase,				30	—	—
"	Purchase to County,				24	—	—
Willis,	From river to 380 ft. e. of Acushnet av.,			48		—	—
"	From above to Acushnet av.,				48	—	—
"	Acushnet av. to Summer,				42	7.5	—
"	Summer to Shawmut av.,	15				6.5, 11.3, 7.5	Branches.

Willow,	From 55 ft. w. of Cottage to Cedar,	10				9.5 to 9.9	Branches.
Wilson,	Austin to Durfee,				30	8 to 8.2	—
Wing,	Acushnet av. to Sixth,	24				6	—
"	Sixth to 50 ft. e. of County,	15				6 to 5	—
"	From above to County,	12				8 to 5	—
Winsor,	From 124 ft. w. of County w. 78 ft.,	10				8	—
"	From above to Crapo,	12				7.8, 7, 8.3	—

List of Catch-Basins.

Name.	Location.	Basin.	Opening.
Acushnet av.,	W. side, 213 ft. north of Grinnell,	In street.	In curb.
"	E. side, 215.3 ft. n. of n. line Grinnell,	"	"
"	Northwest corner of Wing,	In walk.	"
"	E. side, 5 ft. north of Cannon,	In street.	"
"	W. side, 8 feet north of Union,	In walk.	"
"	E. side, on south line of Campbell,	In street.	"
"	E. side, 24 ft. south of Pearl,	"	"
"	Southeast corner Merrimac,	"	In street.
"	E. side, 100 ft. n. of Wamsutta,	"	"
"	W. side, 175 ft. n. of Wamsutta,	"	"
"	W. side, 481 ft. n. of Wamsutta,	"	"
"	E. side, 484 ft. n. of Wamsutta,	"	"
"	E. side, 8 ft. south of Logan,	"	In curb.
"	Northwest corner Logan,	"	"
"	E. side, 8 ft. n. of Washburn,	"	"
"	Northwest corner Coggeshall,	In walk.	"
"	E. side, 11 ft. n. of Coggeshall,	"	"
Allen,	N. side, 13 ft. west of Green,	In street.	"
"	N. side, 13 ft. e. of w. line Bonney,	"	In street.
"	S. side, 8 ft. west of Orchard,	"	"
"	N. side, 6 ft. east of Cottage,	"	In curb.
"	Northwest corner Cottage,	In walk.	"
"	Southwest corner Ward,	"	"
Arnold,	Northwest corner County,	"	"
"	Northwest corner Lincoln,	In street.	"
"	S. side, 11 ft. east of Ash,	"	"
"	N. side, 6 ft. west of Ash,	"	"
"	S. side, 122 ft. east of Park,	In walk.	"
"	N. side, 112 ft. east of Park,	"	"
Ash,	E. side, 87 ft. south of Maple,	In street.	In street.
"	Northwest corner Maple,	"	"
"	Northeast corner Union,	In walk.	In curb.
"	Northeast corner Middle,	In street.	"
Austin,	N. side, 44 ft. west of Purchase,	"	"
"	S. side, 10 ft. east of Pleasant,	"	"
"	Southwest corner Pleasant,	In walk.	"
"	Southwest corner County,	"	"
"	Northeast corner Cottage,	"	"
"	Northeast corner Cedar,	"	"
"	Northwest corner Wilson,	"	"
Babbitt,	Northwest corner Dartmouth,	"	"
Bedford,	Northwest corner Acushnet av.,	In street.	"
"	Southwest corner Acushnet av.,	"	"
"	Southwest corner Fourth,	"	"
"	Northwest corner Fourth,	"	"
"	Northwest corner County,	In walk.	"
"	Southeast corner Borden,	"	"
"	Southwest corner Borden,	"	"
"	Northwest corner Ash,	"	"
Blackmer,	Southwest corner First,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Blackmer,	Northeast corner First,	In walk.	In curb.
"	N. side, 10 ft. west of First,	"	"
"	Southwest corner Second,	"	"
"	Southwest corner Acushnet av.,	"	"
Bonney,	Northwest corner Rockland,	"	"
"	W. side, 47 ft. south of Forest,	In street.	"
"	E. side, 27 feet south of Forest,	"	"
Borden,	Northwest corner Allen,	In walk.	"
Bowditch,	E. side, at angle north of Weld,	"	"
Bullock,	E. side, 1 ft. south of Trinity,	"	"
Campbell,	S. side, 5 ft. east of Purchase,	In street.	"
"	S. side, 21 ft. east of Pleasant,	"	"
"	Southwest corner Pleasant,	In walk.	"
"	N. side, 14 ft. east of State,	In street.	"
"	Southwest corner Summer,	In walk.	"
"	Southwest corner Cottage,	"	"
Cannon,	Southwest corner Water,	In street.	"
"	Northwest corner Water,	"	"
"	Southwest corner Second,	In walk.	"
Cedar,	Southwest corner Morgan,	In street.	"
"	Southeast corner Swamp,	In walk.	"
"	W. side, 133 ft. north of Middle,	"	"
"	W. side, 148 ft. north of Middle,	"	"
"	E. side, 5 ft. north of Hillman,	"	"
"	Northwest corner Locust,	In street.	"
"	E. side, 14 ft. south of Austin,	"	"
Cedar Grove,	S. side, 9 ft. west of Front,	In walk.	"
"	Northwest corner Front,	"	"
"	S. side, 42 ft. east of Blackburn,	"	"
Chancery,	Southeast corner Elm,	In street.	"
Clark,	S. side, 5 ft. west of Purchase,	"	In street.
"	N. side, 18 ft. west of State,	"	"
"	S. side, 12 ft. west of State,	"	"
"	Southwest corner Reynolds,	In walk.	In curb.
Clinton,	S. side, 15 ft. west of Ash,	In street.	"
Coffin,	N. side, 299 ft. east of Water,	"	"
Coggeshall,	N. side, 489.2 ft. east of Bennett,	In walk.	"
"	S. side, 484.2 ft. east of Bennett,	"	"
"	Northwest corner Bennett,	"	"
"	Northwest corner Rock,	"	"
Cottage,	E. side, 8 ft. north of Arnold,	"	"
"	E. side, 5 ft. south of Elm,	"	"
"	Northeast corner Elm,	"	"
"	Northeast corner Middle,	"	"
"	W. side, 20 ft. n. of s. line Pope,	"	"
County,	Northeast corner Cove,	"	"
"	Northeast corner Delano,	"	"
"	W. side, 39 ft. north of Mosher,	In street.	"
"	W. side, 7 ft. south of Thompson,	"	"
"	Northeast corner Thompson,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
County,	W. side, 26 ft. north of Rockland,	In street.	In curb.
"	Northwest corner Washington,	"	"
"	E. side, 15 ft. n. of s. line Sherman,	"	"
"	Southwest corner Sherman,	"	"
"	Northwest corner Allen,	"	"
"	Southwest corner Bedford,	"	"
"	Northeast corner Bedford,	"	"
"	W. side, 7 ft. north of Bedford,	"	In street.
"	W. side, 9 ft. n. of s. line Russell,	"	In curb.
"	Northeast corner Russell,	"	"
"	W. side, 18 ft. n. of s. line Walnut,	"	"
"	W. side, 91 ft. south of Morgan,	"	"
"	W. side, 55 ft. south of Morgan,	"	"
"	Southwest corner Elm,	In walk.	"
"	Southeast corner Sycamore,	In street.	"
"	W. side, 10 ft. north of Smith,	"	"
"	E. side, 18 ft. north of Smith,	"	"
"	Southwest corner Robeson,	In walk.	"
"	Southeast corner Hazard,	In street.	"
"	Southeast corner Austin,	"	"
"	W. side, 15 ft. north of Austin,	"	"
"	W. side, 23 ft. south of Linden,	In walk.	"
"	Southwest corner Clark,	"	"
"	Northwest corner Clark,	"	"
"	Northwest corner Cedar Grove,	"	"
"	Southwest corner Sawyer,	"	"
"	Northwest corner Sawyer,	"	"
Court,	N. side, 8 ft. west of Park,	In street.	"
"	Northwest corner Lindsey,	In walk.	"
Cove,	Southwest corner Cleveland av.,	"	"
"	Southwest corner French av.,	"	"
Crapo,	Northeast corner Rivet,	"	"
"	Northwest corner Rivet,	"	"
"	Northeast corner Thompson,	"	"
"	Southeast corner Rockland,	In street.	"
Dartmouth,	Southwest corner Oak,	In walk.	"
"	E. side, 34 ft. south of Hickory,	"	"
"	Southwest corner Hickory,	"	"
"	Southwest corner Cottage,	"	"
"	W. side, at corner of Orchard,	"	"
"	Southeast corner Second,	"	"
Delano,	Southwest corner Second,	"	"
"	Southeast corner Acushnet av.,	"	"
"	Northeast corner Acushnet av.,	"	"
"	Southeast corner County,	"	"
Division,	Southeast corner County,	"	"
"	N. side, 657 ft. west of County,	"	"
Durfee,	Northwest corner Mt. Pleasant,	In street.	"
"	N. side, 15 ft. e. of w. line Wilson,	"	In street.
Elm,	Southwest corner Water,	In walk.	In curb.

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Elm,	N. side, 8 ft. west of Water,	In street.	In curb.
"	S. side, 10 ft. east of Second,	"	"
"	N. side, 19 ft. east of Second,	"	"
"	S. side, 11 ft. west of Acushnet av.,	"	"
"	N. side, 113 ft. west of Acushnet av.,	"	"
"	S. side, 5 ft. west of Purchase,	"	"
"	N. side, 11 ft. west of Purchase,	"	"
"	Northwest corner Pleasant,	In walk.	"
"	N. side, 8 ft. west of Sixth,	In street.	"
"	S. side, 16 ft. west of Sixth,	"	"
"	S. side, 9 ft. east of Eighth,	"	"
"	N. side, 11 ft. east of County,	"	"
"	Northwest corner County,	"	"
"	N. side, 61 ft. west of Cottage,	"	"
"	N. side, 5 ft. east of Cedar,	"	"
"	Southwest corner Cedar,	"	"
"	S. side, 10 ft. west of Park,	"	"
"	Northeast corner Newton,	In walk.	"
Fifth,	E. side, 170 ft. north of Grinnell,	In street.	"
"	W. side, 170 ft. north of Grinnell,	In walk.	"
First,	E. side, 30 ft. south of Spring,	In street.	"
"	Northwest corner Spring,	In walk.	"
Fourth,	W. side, 3 ft. north of Potomska,	"	"
Franklin,	N. side, 15 ft. west of Pleasant,	In street.	"
"	S. side, 7 ft. east of State,	"	"
Front,	East side, 175.3 ft. s. Blackmer, east,	In walk.	"
"	W. side, 9 ft. north of Potomska,	In street.	"
"	W. side, 105 ft. south of Howland,	"	In street.
"	E. side, 14 ft. n. of s. line Middle,	"	In curb.
"	Northwest corner Logan,	In walk.	"
"	Northwest corner Hicks,	"	"
"	Northwest corner Coggeshall,	"	"
Grape,	Southwest corner Oak,	"	"
Griffin,	Northwest corner Second,	"	"
Grinnell,	N. side, 4 ft. east of Water,	In street.	In street.
"	Southwest corner Water,	In walk.	In curb.
"	Northwest corner First,	"	"
"	Southwest corner Second,	"	"
"	Southwest corner Acushnet av.,	"	"
"	N. side, 11 ft. west of Acushnet av.,	"	"
"	N. side, 6 ft. west of Fourth,	In street.	In street.
"	S. side, 6 ft. west of Fourth,	"	In curb.
"	N. side, 14 ft. east of Sixth,	In walk.	"
"	S. side, 33 feet east of Sixth,	"	"
"	Northwest corner County,	In street.	"
"	Southwest corner County,	"	"
"	Northwest corner Orchard,	In walk.	"
Grove,	Northeast corner Ash,	"	"
Hawthorn,	N. side, 14 ft. west of Cottage,	In street.	"
"	N. side, 11 ft. west of Ash,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Hawthorn,	Southwest corner Page,	In walk.	In curb.
"	N. side, 2.5 feet west of Page,	"	"
"	Northwest corner Tremont,	"	"
Hazard,	S. side, 10 ft. west of Pleasant,	In street	"
"	N. side, 11 ft. west of Pleasant,	"	"
"	S. side, 7 ft. east of State,	"	"
Hickory,	Northwest corner Dartmouth,	In walk.	"
High,	S. side, 19 ft. east of Purchase,	In street.	"
"	N. side, 19 feet east of Purchase,	"	"
"	Southwest corner Foster,	"	"
"	Northwest corner Foster,	"	"
Hillman,	N. side, 7 ft. west of Second,	"	"
"	S. side, 8 ft. west of Second,	"	"
"	S. side, 10 ft. east of Purchase,	"	"
"	N. side, 10 ft. east of Purchase,	"	"
"	S. side, 40 feet west of Foster,	"	"
"	N. side, 65 ft. east of Walden,	"	"
"	S. side, 8 ft. east of County,	"	"
"	Southwest corner County,	In walk.	"
"	Northeast corner Cottage,	"	"
"	S. side, 6 ft. west of Cedar,	In street.	"
"	Northeast corner Ash,	In walk.	"
Howland,	Northwest corner Water,	In street.	"
Katharine,	S. side, 199 feet east of Crapo,	In walk.	"
Kempton,	N. side, 83 ft. east of Pleasant,	In street.	"
"	S. side, 73 ft. east of Pleasant,	"	"
"	N. side, 38 feet west of Hill,	"	"
"	S. side, 72 ft. west of Hill,	"	"
"	S. side, 2 ft. e. of w. line Chestnut,	"	"
"	Northwest corner Chestnut,	"	"
"	Northeast corner Cottage,	In walk.	"
"	Northeast corner Cedar,	In street.	"
"	Southeast corner Cedar,	"	"
"	S. side, 13 ft. west of Ash,	"	"
"	S. side, 8 ft. east of Park,	"	"
"	S. side, 114 ft. east of Newton,	"	"
"	N. side, 7 ft. west of Newton,	"	"
"	S. side, 6 ft. west of Liberty,	In walk.	"
"	S. side, 12 ft. east of Jenney,	In street.	"
"	N. side, 18 ft. east of Beach,	"	"
Larch,	Northwest corner Juniper,	In walk.	"
Liberty,	Southwest corner Morgan,	"	"
"	Northwest corner Elm,	"	"
Linden,	S. side, 5 feet west of Purchase,	In street.	In street.
"	N. side, 5 ft. west of Purchase,	"	"
"	Northwest corner Pleasant,	In walk.	In curb.
"	S. side, 5 ft. west of Pleasant,	In street.	In street.
"	Southeast corner County,	"	"
"	N. side, 25 ft. east of County,	In walk.	In curb.
"	S. side, 28 ft. west of County,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Lindsey,	E. side, 310 ft. south of Kempton,	In walk.	In curb.
"	W. side, 310.6 ft. south of Kempton,	"	"
Locust,	S. side, 11 ft. east of Chestnut,	In street.	"
"	N. side, 8 ft. west of Chestnut,	"	"
"	S. side, 20 ft. east of Cedar,	"	"
Logan,	S. side, 121 ft. east of Purchase,	"	In street.
"	N. side, 117 ft. east of Purchase,	"	"
Madison,	N. side, 18 ft. west of Water,	"	In curb.
"	S. side, 29 ft. west of Water,	"	"
"	Northwest corner Second,	In walk.	"
"	Northwest corner Acushnet av.,	"	"
"	S. side, 39 ft. west of Acushnet av.,	In street.	"
"	N. side, 20 ft. east of Fourth,	"	"
"	Northwest corner Fifth,	In walk.	"
"	N. side, 12 ft. east of Sixth,	In street.	"
"	Northwest corner Sixth,	In walk.	"
"	Northwest corner Seventh,	"	"
"	Northwest corner County,	"	"
Maxfield,	S. side, 8 ft. west of Second,	In street.	"
"	N. side, 5 ft. west of Purchase,	"	"
"	Southwest corner Foster,	"	"
"	S. side, 5 ft. west of Walden,	"	"
"	N. side, 6 ft. west of Walden,	"	"
"	Northwest corner County,	"	"
"	Southwest corner County,	"	"
"	Northeast corner Ash,	In walk.	"
Mechanics l.,	Northwest corner Sixth,	In street.	"
Merrimac,	S. side, 140 ft. east of Purchase,	"	"
"	N. side, 140 ft. east of Purchase,	"	"
"	Southwest corner Purchase,	"	"
"	Northwest corner Purchase,	"	"
"	N. side, 13 ft. west of Pleasant,	"	"
"	S. side, 18 ft. west of Pleasant,	"	"
"	N. side, 8 ft. west of State,	"	"
Middle,	S. side, 10 ft. west of Second,	"	"
"	N. side, 20 ft. west of Second,	"	"
"	Northwest corner Acushnet av.,	In walk.	"
"	S. side, 9 ft. west of Purchase,	In street.	"
"	N. side, 19 ft. west of Purchase,	"	"
"	Southwest corner Pleasant,	In walk.	"
"	Northwest corner Pleasant,	"	"
"	N. side, 12 ft. west of Foster,	In street.	"
"	Southwest corner Sixth,	"	"
"	N. side, 7 ft. east of County,	"	"
"	N. side, 8 feet east of Cedar,	"	"
Mill,	Northwest corner Acushnet av.,	"	"
"	Southwest corner Purchase,	"	"
"	Southwest corner Pleasant,	In walk.	"
"	Northwest corner Pleasant,	"	"
"	Southwest corner Foster,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Mill,	S. side, 8 ft. east of Hill,	In street.	In curb.
"	S. side, 9 ft. east of County,	"	"
"	Southwest corner County,	In walk.	"
North,	Northwest corner Water,	In street.	"
"	Southwest corner Water,	"	"
"	S. side, 10 ft. west of Second,	"	"
"	N. side, 5 ft. e. of Acushnet av.,	"	"
"	S. side, 7 ft. west of Purchase,	"	"
"	N. side, 13 ft. west of Purchase,	"	"
"	S. side, 5 ft. west of Foster,	"	"
"	N. side, 13 ft. east of Hill,	"	"
"	S. side, 6 ft. west of Hill,	"	"
"	S. side, 15 feet east of County,	"	"
"	Southwest corner County,	In walk.	"
"	Northeast corner Cottage,	"	"
"	Southeast corner Ash,	"	"
"	Northeast corner Park,	"	"
Orchard,	E. side, 342 ft. north of Grinnell,	"	"
"	Northwest corner Clinton,	"	"
Park,	W. side, 328 ft. south of Union,	"	"
"	E. side, 328 ft. south of Union,	"	"
Parker,	Southeast corner Summer,	"	"
"	Southwest corner Summer,	"	"
"	Southwest corner Cottage,	"	"
"	S. side, 8 ft. west of Cedar,	"	"
"	N. side, 13 ft. west of Shawmut av.,	In street.	"
Penniman,	S. side, 5 ft. west of Purchase,	"	In street.
"	N. side, 8 feet west of Purchase,	"	"
"	N. side, 7 ft. east of State,	"	"
"	Southeast corner State,	"	"
"	Southwest corner County,	"	In curb.
Pleasant,	W. side, 5 ft. south of Market,	"	"
"	W. side, 5 ft. south of Linden,	In walk.	"
Pope,	N. side, 7 ft. west of Purchase,	"	"
Potomska,	Southwest corner First,	"	"
"	Northwest corner First,	"	"
"	Southwest corner Second,	In walk.	"
"	Northwest corner Second,	"	"
"	Northeast corner Acushnet av.,	In street.	"
"	Northwest corner Acushnet av.	In walk.	"
"	Southwest corner Acushnet av.,	"	"
Prospect,	East side, at foot of Howland,	"	"
Purchase,	W. side, 9 ft. south of Pearl,	In street.	"
"	E. side, 21 feet north of Pope,	"	"
"	W. side, 49 ft. north of Pope,	"	"
"	W. side, 5 ft. north of Franklin,	"	"
"	Southwest corner Hazard,	"	"
"	Northwest corner Hazard,	"	"
"	Southwest corner Austin,	"	"
"	E. side, 17 ft. n. of s. line Austin,	In walk.	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Purchase,	E. side, 25 ft. s. of n. line Austin,	In street.	In curb.
"	Northwest corner Austin,	"	"
"	Southwest corner Weld,	In walk.	"
"	E. side, 26 ft. n. of s. line Clark,	"	"
"	Northwest corner Clark,	In street.	In street.
"	Northwest corner Cedar Grove,	In walk.	In curb.
"	W. side, 19 ft. north of Coggeshall,	In street.	"
"	Northwest corner Purchase,	"	"
Reynolds,	E. side, 13 ft. south of Clark,	"	"
Rivet,	Southwest corner First,	In walk.	"
"	Southeast corner Acushnet av.,	In street.	"
"	Southwest corner Acushnet av.,	In walk.	"
"	Northeast corner Acushnet av.,	In street.	"
"	Southeast corner County,	In walk.	"
"	S. side, 4 ft. west of County,	"	"
"	N. side, 6 ft. west of County,	"	"
"	N. side, 314 ft. west of Bonney,	"	"
"	S. side, 315 ft. west of Bonney.	"	"
"	Northwest corner Juniper,	"	"
Robeson,	Northeast corner Cottage,	"	"
"	S. side, 15 ft. east of Cedar,	In street.	"
"	Northwest corner Cedar,	In walk.	"
Rock,	Northwest corner Sawyer,	"	"
Rockland,	N. side, 7 ft. west of Acushnet av.,	In street.	"
"	Southeast corner Fourth,	In walk.	"
"	Southwest corner Fourth,	"	"
"	Northeast corner Fourth,	"	"
"	Northwest corner Fourth,	"	"
"	N. side, 5 ft. west of Crapo,	"	"
Russell,	Northwest corner Acushnet av.,	In street.	"
"	Southwest corner Acushnet av.,	In walk.	"
"	Northwest corner Fourth,	In street.	"
"	Northwest corner Fifth,	In walk.	"
"	S. side, 20 ft. west of Fifth,	In street.	"
"	Northwest corner Sixth,	In walk.	"
School,	N. side, 9 ft. east of Second,	In street.	"
"	Northwest corner Second,	In walk.	"
"	S. side, 9 ft. west of Second,	In street.	"
"	N. side, 7 ft. east of Fourth,	"	"
"	Northwest corner Fourth,	In walk.	"
"	S. side, 39 feet west of Fourth,	In street.	"
"	Northwest corner Fifth,	In walk.	"
"	N. side, 11 ft. west of Sixth,	In street.	"
"	S. side, 13 ft. west of Sixth,	"	"
Second,	W. side, 208 feet north of Grinnell,	In walk.	"
"	E. side, 220.7 ft. north of Grinnell,	"	"
"	Northwest corner Howland,	"	"
"	W. side, 5 ft. south of Spring,	In street.	"
Shawmut av.,	Northeast corner Parker,	In walk.	"
"	E. side, 425.1 ft. north of Durfee,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Sixth,	W. side, 99 ft. north of Grinnell,	In street.	In curb.
Smith,	Southwest corner County,	In walk.	"
"	Southeast corner Chestnut,	In street.	"
"	Southwest corner Cottage,	In walk.	"
"	N. side, 9 ft. east of Park,	In street.	"
South,	N. side, 9 ft. east of Fourth,	"	"
"	Northwest corner Fourth,	In walk.	"
Spring,	Northwest corner Second,	"	"
"	Northwest corner Acushnet av.,	"	"
"	Southwest corner Acushnet av.,	"	"
"	N. side, 9 ft. west of Acushnet av.,	In street.	"
"	Northwest corner Fourth,	In walk.	"
"	S. side, 18 ft. west of Fourth,	In street.	"
"	S. side, 22 ft. west of Sixth,	"	"
"	N. side, 31 ft. west of Sixth,	"	"
State,	Southwest corner Weld,	In walk.	"
Summer,	W. side, 5 ft. north of Sycamore,	In street.	"
"	W. side, 9 ft. south of Smith,	"	"
Sycamore,	S. side, 7 ft. west of Pleasant,	"	"
"	Southwest corner State,	In walk.	"
"	Northwest corner State,	"	"
"	Northwest corner Walden,	In street.	"
"	S. side, 6 ft. east of Thomas,	"	"
"	Southwest corner Thomas,	In walk.	"
"	Northwest corner County,	In street.	"
"	Southwest corner County,	In walk.	"
"	Southwest corner Summer,	"	"
"	Southwest corner Chestnut,	"	"
"	Southwest corner Cottage,	"	"
"	Northwest corner Cottage,	"	"
"	Northeast corner Cedar,	"	"
Tremont,	W. side, 8 ft. south of Union,	"	"
Union,	S. side, 94 ft. east of Front,	"	"
"	N. side, 92.8 ft. east of Front,	"	"
"	S. side, 6 ft. west of Water,	In street.	"
"	N. side, 6 ft. west of Water,	"	"
"	Northwest corner Second,	"	"
"	S. side, 6 ft. west of Fourth,	"	"
"	N. side, 15 ft. west of Fourth,	"	"
"	N. side, 9 ft. west of Sixth,	"	"
"	Southwest corner Seventh,	"	"
"	Northwest corner Eighth,	"	"
"	S. side, 6 ft. west of Eighth,	"	"
"	Northeast corner Chancery,	In walk.	"
Walnut,	S. side, on east line Front,	In street.	"
"	N. side, 9 ft. west of Water,	"	"
"	S. side, 11 ft. west of Water,	"	"
"	Northwest corner Fourth,	In walk.	"
"	N. side, 18 ft. west of Fourth,	In street.	"
"	S. side, 20 ft. west of Fourth,	"	"

List of Catch-Basins—*Continued.*

Name.	Location.	Basin.	Opening.
Walnut,	Northwest corner Fifth,	In walk.	In curb.
"	Northwest corner Sixth,	"	"
"	S. side, 10 ft. west of Sixth,	In street.	"
"	Northwest corner Seventh,	In walk.	"
"	N. side, 16 ft. east of County,	In street.	"
Wamsutta,	S. side, 148 ft. west of Acushnet av.,	"	"
"	N. side, 160 ft. west of Acushnet av.,	"	"
Ward,	Northeast corner Bay,	In walk.	"
Washburn,	Northwest corner Front,	In street.	"
"	S. side, 277 ft. west of Front,	"	"
Washington,	N. side, 8 ft. west of County,	"	"
"	N. side, 5 ft. east of Crapo,	"	"
"	Southwest corner Orchard,	In walk.	"
"	Northeast corner Orchard,	"	"
Water,	W. side, 16 ft. south of Rivet,	In street.	"
"	W. side, 15 ft. south of Potomska,	"	"
"	E. side, 90 ft. north of Potomska,	In walk.	"
"	Southeast corner Pine,	"	"
"	Southwest corner Cannon,	In street.	"
"	Southeast corner Cannon,	"	"
"	Southwest corner Coffin,	"	"
"	E. side, 44 ft. south of Spring,	"	"
"	W. side, 11 ft. north of William,	"	"
"	E. side, 9 ft. south of Elm,	"	"
"	E. side, 20 ft. n. of south line Elm,	"	"
"	Southeast corner Ark lane,	"	"
"	E. side, 12 ft. s. of north line North,	"	"
Weld,	N. side, 2d angle, east of Bowditch,	In walk.	"
"	S. side, 4 ft. east of Bowditch,	In street.	"
"	S. side, 95 ft. east of Purchase,	In walk.	"
"	Southwest corner Pleasant,	"	"
"	S. side, 6 ft. west of County,	"	"
"	Southwest corner Reynolds,	"	"
"	Southwest corner Myrtle,	"	"
"	Northwest corner Myrtle,	"	"
"	Northwest corner Ashland,	"	"
W. French av.,	Southeast corner Social,	"	"
"	Southeast corner Welcome,	"	"
William,	S. side, 9 ft. west of Second,	In street.	"
"	Northwest corner Acushnet av.,	In walk.	"
"	N. side, 8 ft. east of Purchase,	In street.	"
"	Southwest corner Purchase,	"	"
"	N. side, 15 ft. west of Purchase,	"	"
"	Southwest corner Pleasant,	In walk.	"
"	Northwest corner Pleasant,	"	"
"	Northeast corner Sixth,	In street.	"
"	Southwest corner Sixth,	In walk.	"
"	Northwest corner Sixth,	"	"
"	N. side, 8 ft. east of Eighth,	In street.	"
"	N. side, 8 ft. east of County,	"	"

List of Catch-Basins—*Concluded.*

Name.	Location.	Basin.	Opening.
Willis,	N. side, 9 ft. west of Acushnet av.,	In street.	In curb.
"	S. side, 3 ft. east of Purchase,	"	"
"	N. side, 15 ft. west of Purchase,	"	"
"	Southwest corner Summer,	In walk.	"
"	Southwest corner Cottage,	"	"
Wing,	Northwest corner Fourth,	"	"
"	S. side, 7 ft. west of Fourth,	In street.	"
"	Northwest corner Fifth,	In walk.	"
"	N. side, 6 ft. east of Sixth,	In street.	"
"	Northwest corner Sixth,	In walk.	"

List of Eyeholes.

Name.	Location.
Acushnet av.,	E. side, 7 ft. south of Merrimac.
"	E. side, 102 ft. south of Wamsutta.
"	E. side, 112 ft. north of Wamsutta.
"	E. side, 493 ft. north of Wamsutta.
"	W. side, 207 ft. north of Sawyer.
"	E. side, 216 ft. north of Sawyer.
"	W. side, 73.5 ft. north of Tarkiln Hill road.
"	W. side, 978 ft. north of Tarkiln Hill road.
"	W. side, 1085 ft. north of Tarkiln Hill road.
"	W. side, 2654 ft. north of Tarkiln Hill road.
"	W. side, 4319 ft. north of Tarkiln Hill road.
"	W. side, 346 ft. south of angle bound No. 25.
"	W. side, 1 ft. north of angle bound No. 24.
Allen,	N. side, 7 ft. west of Ward.
"	N. side, 572 ft. west of Page.
"	S. side, 736 ft. west of Brigham.
"	N. side, 750 ft. west of Brigham.
Bridge,	N. side, at Popes Island, 133 ft. e. of woodwork of bridge.
"	N. side, 91.6 ft. west of west angle on Popes Island.
"	N. side, 31.7 ft. east of west angle on Popes Island.
"	N. side, 302.7 ft. east of west angle on Popes Island.
"	N. side, at Fish Island, 103 ft. e. of woodwork of bridge.
Butler,	Northwest corner E. French av.
"	Southwest corner E. French av.
Cedar,	Southeast corner Morgan.
Cedar Grove,	N. side, 43 ft. east of Blackburn.
"	Middle, 262 ft. west of County.
Clark,	S. side, 4 ft. west of Purchase.
"	N. side, 8 ft. west of Purchase.
"	N. side, 11 ft. west of State.
"	S. side, 13 ft. west of State.
"	Southwest corner County.
"	Northwest corner County.
Cottage,	Northeast corner Hawthorn.
County,	Northwest corner Elm.
"	W. side, 14 ft. south of Austin.
"	W. side, 2 ft. south of Weld.
Crapo,	Northeast corner Rockland.
Durfee,	Northeast corner Mt. Pleasant.
Elm,	Southeast corner Cedar.
First,	E. side, 121 ft. north of Potomska.
"	E. side, 219 ft. north of Grinnell.
Front,	E. side, 32 ft. south of School.
"	45 ft. east of west line Front, 15 ft. n. of s. line School.
"	W. side, 306 ft. north of Wamsutta.
Grape,	Northwest corner Oak.
Hawthorn,	N. side, 108 ft. west of Ash.
"	S. side, 105 ft. west of Ash.
"	S. side, 254 ft. east of Tremont.
Hillman,	S. side, 50 ft. west of Water.

List of Eyeholes—*Continued.*

Name.	Location.
Hillman,	30.5 ft. east of Water, 5 ft. south of Hillman.
"	S. side, 43 ft. east of Water.
Howland,	N. side, 14 ft. west of east line Front.
Kempton,	N. side, 85 ft. east of Newton.
"	N. side, 209 ft. west of Rockdale av.
"	S. side, 209 ft. west of Rockdale av.
"	N. side, 31.7 ft. west of old town line.
"	S. side, 32 ft. west of old town line.
Lincoln,	Northeast corner Arnold.
Linden,	S. side, 11 ft. west of Purchase.
"	N. side, 11 ft. west of Purchase.
"	Southwest corner Pleasant.
"	Southeast corner County.
Maxfield,	S. side, 124 ft. east of Second,
"	N. side, 6 ft. east of Park.
"	S. side, 5 ft. east of Park.
Mt. Pleasant,	W. side, 810 ft. north of south line Peckham.
"	E. side, 814 ft. north of south line Peckham.
"	W. side, 123 ft. south of Fall River R. R.
"	E. side, 13 ft. south of angle, south of F. R. R. R.
Parker,	N. side, 22 ft. west of east line Summer.
"	N. side, 156 ft. west of Park.
"	S. side, 153.1 ft. west of Park.
Pearl,	Northwest corner Purchase.
Penniman,	S. side, 12 ft. west of Purchase.
"	N. side, 14 ft. west of Purchase.
"	N. side, 13 ft. east of State.
"	S. side, 7 ft. east of State.
"	S. side, 6 ft. west of County.
Pleasant,	W. side, 95 ft. north of Sycamore.
"	W. side, 2 ft. north of Linden.
Pope,	S. side, 28 ft. west of Purchase.
Purchase,	Southeast corner Pearl.
"	Northeast corner Pearl.
"	E. side, 64 ft. north of Pearl.
"	W. side, 228 ft. north of Linden.
Rivet,	Northwest corner First.
"	S. side, 10 ft. west of First.
"	Southwest corner Jnniper.
Robeson,	S. side, 12 ft. west of Cedar.
Rockdale,	At head of Parker.
Rockland,	Southwest corner Acushnet av.
School,	N. side, 6.3 ft. west of Fifth.
Second,	E. side, 196 ft. north of Potomska.
"	E. side, 226 ft. north of Grinnell.
"	W. side, 109 ft. north of Cannon.
"	E. side, 113 ft. north of Cannon.
Shawmut,	W. side, 400 ft. north of Durfee.
"	E. side, 460 ft. north of Durfee.
Shawmut av.,	W. side, 370 ft. north of Topham.

List of Eyeholes—*Concluded.*

Name.	Location.
Sherman,	S. side, 139 ft. east of Bonney.
"	N. side, 120 ft. east of Bonney.
State,	E. side, 7 ft. south of Hazard.
Sycamore,	N. side, 7 ft. west of Pleasant.
Thomas,	E. side, 71 ft. north of Sycamore.
Wamsutta,	N. side, 16 ft. west of Front.
"	N. side, 276 ft. west of Front.
"	N. side, 465 ft. west of Front.
"	N. side, 610 ft. west of Front.
Water,	E. side, 3 ft. north of Cove.
"	W. side, 9 ft. north of Cove.
"	W. side, 100 ft. north of Potomska.
"	W. side, 236 ft. north of Grinnell.
"	E. side, 249 ft. north of Grinnell.
"	E. side, 257 ft. north of Grinnell.
"	W. side, 74 ft. north of Cannon.
"	E. side, 75 ft. north of Cannon.
"	W. side, 153 ft. north of Walnut.
"	E. side, 162 ft. north of Walnut.
Weld,	S. side, 59 ft. east of Bowditch.
"	N. side, 106 ft. east of Purchase.
"	N. side, 67 ft. west of Pleasant.
Willis,	N. side, 112 ft. east of Summer.

List of Manholes.

Name.	Ventilating M. H.	Solid Iron Cover.	Wooden Cover.
Acushnet av.,	61 ft. south of Blackmer.		
"	2 ft. south of Rockland.*		
"	1 ft. south of South.		
"	206 ft. north of Grinnell.		
"	178 ft. north of Walnut.		
"	5 ft. south of Pope.		
"	11 ft. north of Merrimac.		
"	225 ft. s. of Wamsutta, 17 ft. w. of e. line Ac. av.		
"	109 ft. s. of Wamsutta, 17 ft. w. of e. line Ac. av.		
"	245 ft. north of Wamsutta.		
"	483 ft. north of Wamsutta.		
"	754 ft. north of Wamsutta.		
"	5 ft. n. of s. line Logan, 31 ft. w. of e. line Ac. av.		
Allen,	29 ft. east of west line Orchard.		
Arnold,	On east line Orchard.		
"	11 ft. east of west line Cottage.		
"	137 ft. west of Chancery, 17 ft. s. of n. line.		
"	3 ft. west of east line Tremont.		
Ash,	1 ft. north of Bedford.		
"	19 ft. south of north line Hawthorn.		
"	9 ft. south of Arnold.		
Atlantic,	451 ft. south of Union.		
Austin,	41 ft. east of Shawmut av.		
Babbitt,	4 ft. east of west line Dartmouth.		
"	3 ft. east of west line Field.		
Bedford,	17 ft. east of west line Acushnet av.		
"	7 ft. west of east line County.		
Beetle,	5 ft. west of east line Acushnet av.		
Belleville av.,	51.4 ft. south of south line Beetle.		

Belleville av.,	237 ft. south of Sawyer.		
"	5 ft. north of south line Holly.		
"	938.7 ft. north of Sawyer.		
Blackburn,	198 ft. north of Cedar Grove.		
Blackmer,	90 ft. east of Front.*		
"	20 ft. east of west line Water.		
"	48 ft. east of County.		
Bolton road,	222.2 ft. north of Rivet.		
"	400 ft. south of Rivet.		
"	25 ft. south of north line ——		
Bonney,	7 ft. north of south line Rivet.		
"	49 ft. south of Thompson.		
"	50 ft. south of Rockland.		
"	9 ft. north of south line Fair.		
"	Middle of Washington.		
"	Middle of Grinnell.		
Bowditch,	8 ft. south of Forest.		
"	15 ft. south of Weld.		
"	In angle north of Weld.		
"	2 ft. north of south line Cedar Grove.		
Bullock,	50 ft. south of south line Coggeshall.		
Campbell,	125 ft. south of south line Durfee.		
"	2 ft. west of east line State.*		
"	97 ft. east of Cedar.		
"	4 ft. west of east line Cedar.		
"	4 ft. east of west line Shawmut av.		
Cannon,			15 ft. w. of e. line Acushnet av.
Cedar,	90 ft. north of north line Middle.		
"	18 ft. n. of s. line North, 21 ft. e. of w. line Cedar.		
"	22 ft. north of Robeson.		
Cedar Grove,	On east line Blackburn.		
"	4 ft. east of County.		
Chestnut,	11 ft. north of Parker.		
Clark,	6 ft. west of Purchase.*		
"	On west line State.		

List of Manholes—*Continued.*

Name.	Ventilating M. H.	Solid Iron Cover.	Wooden Cover.
Clark,	4 ft. west of east line Myrtle.		
Clinton,	64 ft. west of Cottage.*		
Coffin av.,	1 ft. east of west line Bowditch.		
Coffin,	320 ft. east of Water.		
"			15 ft. west of e. line Water.
Coggeshall,	570.5 ft. e. of Bennett and 22 ft. s. of n. line Coggeshall.		
"	695 ft. east of Rock.		
"	7 ft. east of west line Rock.*		
"	4 ft. east of west line Front.		
"	On east line Acushnet av.*		
"	2.5 ft. west of County.		
Cottage,	2 ft. north of Allen.		
"	43 ft. south of Union.		
"	100 ft. north of Parker.		
"	8 ft. north of Locust.*		
County,	52 ft. south of north line Cove road.		
"	2.8 ft. north of south line Cove street.		
"	2.19 ft. north of north line Rivet.		
"	9 ft. north of south line Sherman.		
"	17 ft. north of south line Clinton.*		
"	156 ft. north of Linden.		
"	320.2 ft. south of south line Clark.		
"	151 ft. south of Coggeshall.		
"	3 ft. south of north line Coggeshall.		
"	228 ft. south of Sawyer.		
Court,	4 ft. east of west line Ash.		
"	4 ft. east of west line Cottage.		
"	4 ft. east of Florence.		

Court,	453 ft. west of Florence.
Cove road,	3.8 ft. east of west line Margin.
"	336.6 ft. west of County.
Cove,	282.2 ft. east of Second.
Crapo,	18 ft. north of Mosher.*
"	100 ft. north of Katharine.
"	On south line Rivet.
"	15 ft. south of Thompson.*
"	14 ft. south of Rockland.
Dartmouth,	26 ft. south of Oak.
"	3 ft. north of south line Hickory.
Delano,	4 ft. west of east line Second.
Division,	34 ft. east of Second.
"	4 ft. west of County.
Durfee,	11 ft. west of Mt. Pleasant.
Elm,	On west line Water.
"	9 ft. west of east line Second.
"	8 ft. west of east line Purchase.
"	14 ft. east of west line Sixth.
"	9 ft. west of east line Eighth.
"	9 ft. west of east line County.
"	26 ft. west of Park.
Emerson,	100 ft. south of Union.
Fair,	100 ft. east of Dartmouth.
Field,	51.5 ft. south of Allen.
Fifth,	5 ft. west of east line, middle of Russell.
"	123 ft. south of Madison.
First,	295.6 ft. south of Blackmer.
"	130.7 ft. south of Rivet.
"	134 ft. north of Potomska.
Fourth,	8 ft. w. of e. line Fourth, 21 ft. n. of s. line Russell.
"	88 ft. s. of Madison, 15 ft. w. of e. line Fourth.
Front,	202 ft. south of Blackmer.
"	5 ft. south of Blackmer.
"	100.6 ft. north of Blackmer, east.

List of Manholes—*Continued.*

Name.	Ventilating M. H.	Solid Iron Cover.	Wooden Cover.
Front,	76 ft. north of Potomska.		
"	380 ft. north of Potomska.*		
"	8 ft. south of South.		
"	225 ft. south of Grinnell.		
"		33 ft. n. of Grinnell.*	
"		297 ft. s. of Howland.*	
"		105 ft. s. of Howland.*	
"			3 ft. south of School.
"	4 ft. south of north line Logan.		
"	258 ft. north of Logan.		
"	300 ft. south of Coggeshall.*		
Fruit,	On west line Juniper.		
"	Middle of Hemlock.		
"	On west line Mulberry.		
"	On east line Dartmouth.		
Gifford,	506 ft. east of Water.		
Grape,	183 ft. west of Oak.		
"	481 ft. west of Oak.		
"	806 ft. west of Oak.		
Green,	112 ft. south of Bedford.		
Griffin,	113 ft. east of Acushnet avenue.*		
Grinnell,		2 ft. east of Water.	
"		On east line First.	
"		On east line Second.	
"		On e. line Acushnet av	
"		3 ft. east of Fourth.	
"		1 ft. east of Fifth.*	
"		4 ft. east of County.	
"	14 ft. west of Crapo.		

Hall,	119 ft. south of Rockland.	
Harbor,	399 ft. south of Gifford.	
Hawthorn,		
"	286 ft. east of Tremont.	
"	264 ft. west of Brigham.	
Hazard,	3.6 ft. east of west line Purchase.	
Hemlock,	189 ft. south of Rockland.	
Hickory,	20 ft. east of west line Harrison.*	106 ft. west of Ash.*
High,		
		8 ft. w. of e. line Second, 6 ft. s. of n. line High.
Hillman,		26 ft. w. of e. line Second.
"		35 ft. east of Purchase.
"	Middle of Chestnut.	
"	25 ft. west of east line Park.	
"		20 ft. e. of w. line Newton.
"	4 ft. west of east line Florence.	
"	4 ft. west of east line Hunter.	
Howard,	311 ft. south of Coggeshall.	
Hyacinth,	256 ft. north of north line Rivet.	
Independent,	62 ft. west of County.	
James,	123 ft. south of Union.	
Jenney,	99.5 ft. north of north line Court.	
Katharine,	58 ft. west of County.	
Kempton,	10 ft. south of north line, 112 ft. east of Purchase.	
"		On w. line Purchase, 11 ft. n. of s. line Kempton.
"	1 ft. east of west line Cottage.	
"	4 ft. east of west line Cedar.	
"	118 ft. east of Newton.	
Larch,	222.6 ft. west of Bolton road.	
"	4 ft. east of west line Juniper.	
"	4 ft. west of east line Dartmouth.	
Liberty,	5 ft. north of south line Elm.	
"	125 ft. south of Kempton.	
Linden,	2 ft. west of Purchase.	

List of Manholes—*Continued.*

Name.	Ventilating M. H.	Solid Iron Cover.	Wooden Cover.
Linden,	8 ft. east of west line Pleasant.*		
"	1 ft. east of County.*		
"	40 ft. east of Ashland.		
Locust,	20 ft. west of east line Richmond.		
Logan,	197 ft. east of Purchase.*		
"	8 ft. east of Purchase.		
Madison,			14 ft. e. of w. line Water.
"	9 ft. west of east line Second.		
"			8 ft. w. of e. line Fourth.
"	12 ft. west of east line County.		
Maitland,	281 ft. west of Cedar.		
Maple,		3 ft. west of Cottage.	
Margin,	4.4 ft. north of south line Cove street.		
Marvin,	94.2 ft. east of east line Acushnet av.		
Maxfield,			8 ft. w. of e. line Second.
"			7 ft. w. of e. line Purchase.
"			7 ft. w. of e. line State.*
"			9 ft. w. of e. line County.
"	Middle of Chestnut.		
"	88.3 ft. east of Cottage.		
"	4 ft. west of east line Cedar.		
"	3 ft. west of Cedar.		
"	18 ft. east of west line Chancery.		
Merrimac,	254 ft. east of Acushnet av.		
"	23 ft. east of Acushnet av.		
Middle,	12 ft. west of Front.		
"			6 ft. w. of e. line Water.
"			7 ft. w. of e. line Second.
"	7 ft. west of east line Purchase.		

Middle,	5 ft. west of east line Sixth.*	
"		8 ft. w. of e. line County.
"	8 ft. west of east line Summer.	
Mill,		7 ft. w. of e. line Hill.*
"		13 ft. w. of e. line Cedar, 1 ft. n. of s. line Mill.
"		17 ft. w. of e. line Cedar, 20 ft. s. of n. line Mill.
"	4 ft. west of Park.	
"	4 ft. west of east line Rockdale av.	
Myrtle,	99 ft. north of Weld, east.	
Nelson,	5 ft. east of west line County.	
Newton,	185 ft. north of Elm.*	
"	21 ft. south of south line Hillman.	
North,	10 ft. east of Chestnut.	
Oak,	41 ft. west of Dartmouth.	
"	54 ft. west of Harrison.	
"	74 ft. west of Clay.	
"	191 ft. north of Grape.	
"	33 ft. south of Allen,	
Orchard,	13 ft. n. of s. line No. 4 Mill road.	
"	146 ft. s. of s. line No. 4 Mill road.	
"	226 ft. s. of s. line No. 4 Mill road (stone on top).	
"	231 ft. s. of s. line No. 4 Mill road.	
"	241 ft. north of Mill road No. 4.	
"	240.8 ft. north of Mill road No. 3.	
"	Middle of Grinnell.	
Page,	113 ft. north of Grape.	
"	50 ft. south of Allen.	
Park,	23 ft. north of Arnold.	
"	186 ft. south of Union.	
"	7 ft. north of Court.	
"	7 ft. south of Parker.	
Pearl,	1 ft. east of Acushnet av.	
"		5 ft. e. of w. line Purchase.

List of Manholes—*Continued.*

Name.	Ventilating M. H.	Solid Iron Cover.	Wooden Cover.
Peckham,	5 ft. east of west line County.		
"	5 ft. west of east line Reynolds.		
Penniman,	5 ft. west of Purchase.*		
"	10 ft. east of State.		
"	6 ft. west of east line County.		
Pope,	335 feet east of Chestnut.		
Potomska,	7 ft. west of Water.*		
"	57 ft. east of Acushnet av.		
"	25 ft. east of Fourth.		
Prospect,	42 ft. south of Grinnell.*		
Purchase,	215.2 ft. north of north line Union.		
"	2 ft. south of Franklin.		
"	9.5 ft. north of south line Austin.		
"	67.2 ft. south of south line Linden.		
"	On north line Linden.		
"	180 ft. s. of Logan, 18 ft. w. of e. line Purchase.		
"	9 ft. south of Logan.		
"	89 ft. north of Weld.		
"	8 ft. north of south line Clark.*		
"	7 ft. north of south line Penniman.*		
"	On south line Cedar Grove.*		
"	316 ft. north of Cedar Grove.		
"	434 ft. north of Sawyer.		
Richmond,	119 ft. south of Locust.		
Rivet,	79 feet e. of Ac. av. and 14 ft. s. of n. line Rivet.		
"	97 ft. east of Fourth.		
"	13 ft. e. of w. line Fourth and 16 ft. s. of n. line Rivet.		
"	611 ft. east of Crapo.		

Rivet,	300 ft. east of Crapo.	
"	2 ft. west of east line Juniper.	
"	On east line Dartmouth.	
Robeson,	3.4 ft. east of west line Ashland.	
Rockland,	10 ft. east of west line Fourth.	
"	2 ft. east of County.	
"	47 ft. west of Bonney.	
"	7 ft. east of west line Orchard.	
"	442 ft. east of Lombard.	
"	84 ft. east of Lombard.	
"	41 ft. east of Dartmouth.	
Russell,		25 ft. w. of e. line County.*
Sawyer,	4 ft. east of west line Rock.	
"	310 ft. west of Rock.	
"	4 ft. west of east line County.*	
"	4 ft. east of west line Bowditch.	
"	710 ft. west of Bowditch.	
School,	41 ft. east of west line Front.	
"	On east line First.	
"	4 ft. west of east line Second.	
"	4 ft. west of east line Fourth.	
"		9 ft. w. of e. line Sixth.*
"	1 ft. east of east line County.	
Sears,	5 ft. south of north line Fair.	
Second,	208 ft. south of Potomska.	
Shawmut av.,	7 ft. south of Locust.	
"	2.9 ft. south of north line Durfee.	
"	4 ft. south of north line Grand.	
Sherman,	101 ft. east of Bonney.	
Short,	54 ft. south of Allen.	
Small,	53.2 ft. south of Allen.	
Smith,	3 ft. west of east line County.	
South,	8 ft. west of Front.	
"	20 ft. west of east line Water.	
"	19 ft. west of east line First.	

List of Manholes—*Concluded.*

Name.	Ventilating M. H.	Solid Iron Cover.	Wooden Cover.
South,	18 ft. west of east line Second.		
"	55 ft. east of Acushnet av.		
Spring,	3.25 ft. west of east line County.		
Spruce,	145.7 ft. north of Sycamore.		
"	208 ft. north of Parker.		
"	192 ft. south of south line Locust.		
Stone,	53 ft. south of Allen.		
Sycamore,	On east line Walden.		
"			9 ft. w. of e. line County.*
"			18 ft. w. of e. line Chestnut.*
"	4 ft. east of west line Cedar.		
"	4 ft. east of west line Ash.		
Tremont,	101 ft. south of south line Arnold.		
Union,	14 ft. west of east line Front.		
"	8 ft west of east line Water.		
"	5 ft. west of east line Purchase.		
"	8 ft. west of east line Sixth.*		
"	7 ft. west of east line Eighth.*		
"	8 ft. west of east line County.*		
"	14 ft. west of east line Cottage.*		
"	1 ft. west of west line Ash.		
"	136 ft. east of Tremont.		
"	On west line James.		
"	47 ft. east of Armour.		
"	25 ft. west of east line Sisson.		
Walnut,			7 ft. w. of e. line Water.*
"	7 ft. west of east line Second.		
"	8 ft. west of east line Fourth.		
"			9 ft. w. of e. line Fifth.

Walnut,			9 ft. w. of e. line Seventh.
"	3 ft. west of east line County.		
Wamsutta,	5.4 ft. west of east line Purchase.		
Ward,	On south line Allen.		
Warwick,	125 ft. south of Rockland.		
Washburn,	200 ft. west of Front.*		
"	9.5 ft. east of Acushnet av.		
Washington,	102 ft. east of Dartmouth.		
Water,	35.7 ft. south of north line Gifford.		
"	3 ft. south of north line Delano.		
"	267 ft. south of Potomska.		
"	16 ft. north of south line Potomska.		
"	4 ft. south of north line Leonard.		
"			15 ft. n. of s. line Howland, 15 ft. w. of e. line Water.
"			16 ft. n. of s. line Howland, 18 ft. e. of w. line Water.*
Weld,	4 ft. east of west line Reynolds.		
"	4 ft. west of east line Myrtle.		
"	4 ft. west of east line Ashland.		
"	100 ft. east of Mt. Pleasant.		
W. French av.	5 ft. north of south line Social.		
William,	On east line County.		
Willis,	20 ft. east of west line Acushnet av.		
Willow,	318.7 ft. east of Cedar.		
Wilson,	7 ft. south of Durfee.		
Winsor,	46 ft. west of County.		

*Covered.

In Board of Aldermen,
March 23, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
3 mo. 23, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1892—City Document No. 11.

REPORT

OF THE

BOARD

OF

OVERSEERS OF THE POOR

OF THE

CITY OF NEW BEDFORD,

FOR THE YEAR 1892.

NEW BEDFORD:
Mercury Publishing Company, Printers to the City.
1893.

In Board of Aldermen,
February 23, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
2 mo. 23, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

Members of the Board.

ORRICK SMALLEY,
THOMAS H. KNOWLES,
JAMES E. STANTON.

Officers of the Board.

ORRICK SMALLEY,
Chairman and Secretary.

ELLA F. BUCKLYN,
Clerk to the Secretary.

JOHN T. BULLARD,
Physician to the Board.

PELEG S. MACY,
Superintendent of Almshouse.

Mrs. PELEG S. MACY,
Matron of Almshouse.

Rev. JAMES MITCHELL,
Chaplain of Almshouse.

SAMUEL DAMMON,
Superintendent of Wood and Coal Yard.

REPORT.

To his Honor the Mayor and the City Council of the City of New Bedford, Mass.:

GENTLEMEN,—The Board of Overseers of the Poor respectfully present the report of their doings for the year 1892. The tables appended are the principal part of this Report, as they present receipts and expenditures and statistical information. We ask your careful examination of the same. Our net expenses are more this year than last year, owing to having less credits than 1891,—the truant school being removed from this department, and having a less quantity of hay to sell than 1891; the two making a difference of fifteen hundred dollars in our credits. Our gross expenses are less than last year.

There is two or three thousand dollars due the department from 1892 expenditures, which will soon be paid in. The Board have endeavored to follow the policy in the management of the department which was pursued during the three years previous, namely, to grant the assistance required in such a degree and manner as not to encourage pauperism, but to help people to become self-supporting,—a duty incumbent upon Overseers of the Poor, as we think, as any duty binding upon them relative to the department.

We now have a population of about fifty thousand people and constantly on the increase as manufactories spring up,

and soon we shall have a population of sixty thousand, and that increase mostly of the class, who, when a hard time comes to them, because of no employment, which frequently happens by a break-down in the mill, which causes the mill to shut down for a few weeks, have no means of support and are of a necessity obliged to apply to the relief committee for temporary aid. It must be patent to every thoughtful person that the expenses of this department must increase largely, and extravagantly so, unless the relief committee is exceedingly watchful and careful of the funds under its charge. It behooves every administration, which has to appoint an overseer to the department, to select such as have fitness for the position, rather than for political preference, or purpose of finding a position for a friend at the expense of the city. The authorities cannot be too careful in their appointments. The office is one of responsibility and trust.

In the year 1885, the gross expenditures by this department were $50,741.29. The population at that time was about thirty-three or thirty-four thousand people. About January, 1886, a more careful management was inaugurated by the Board and especially so after the legislative act of June 22, 1886, and the City Government elected for Overseers of the Poor, C. B. H. Fessenden, George S. Homer, and Jonathan Howland, gentlemen having an honest interest in the welfare of the city and the worthy poor; under their administration the gross expenses were about ten thousand dollars less per year than in the year 1885.

The Overseers who followed the gentlemen named have pursued a careful management, with results very satisfactory as to expense (see tables) and contentment among the worthy poor.

We are of the opinion that the Overseers should have the power of selecting their employes, and the entire

management of the department of poor, subject only to the Mayor and City Council.

The Almshouse under the care of Superintendent P. S. Macy, Esq., and the matron, Mrs. P. S. Macy, is in a very satisfactory condition, both in the house and on the farm. The Board have been close observers of the doings at the institution, and are satisfied that Mr. Macy, after fourteen years' experience, is competent to decide the productive qualities of the land comprising the City Farm, and to successfuly manage the internal affairs of the house. The production of vegetables has been good this year, also the hay crop has been fair, as usual. Please see Superintendent Macy's Report, herein, for detailed statement of amounts produced for the year 1892.

In conclusion, we take pleasure in reporting faithful services on the part of our employes.

Respectfully submitted.

ORRICK SMALLEY,
THOMAS H. KNOWLES,
JAMES E. STANTON,
Overseers of the Poor of New Bedford.

FINANCIAL STATEMENT.

Dr.

To amount of annual appropriation,		$25,000.00
" special appropriation,		6,000.00
" transfer,		18.22
Received from State, for support of paupers,		2,679.10
Received from cities and towns, for support of paupers,		2,880.33
For board of soldiers,		244.00
For board of lunatics,		651.88
Miscellaneous,		6.64
City Almshouse credits:		
Amount from fire department,	$486.15	
Police department,	149.15	
Board of Health department,	60.98	
Sale of produce,	428.70	
Board of paupers,	315.78	
Board of soldiers,	273.33	1,714.09
Total,		$39,194.26

Cr.

By amounts expended, as per monthly audits:

Months.	Outside Relief.	Lunatic Hospitals and Feeble Minded.	Cities and Towns.	Almshouse.	Totals.
January,	$1,671.86	$1,935.71	$75.69	$848.01	$4,531.27
February,	1,887.32		31.91	727.21	2,646.44
March,	1,789.57		106.64	1,081.02	2,977.23
April,	1,613.10	1,912.09	43.00	793.81	4,362.00
May,	1,489.84		16.64	780.28	2,286.76
June,	1,204.81			1,022.21	2,227.02
July,	1,558.50	1,885.09	294.44	951.38	4,689.41
August,	1,334.11			703.04	2,037.15
September,	1,718.05	21.96	211.87	839.80	2,791.68
October,	1,252.50	1,863.64	22.87	1,117.43	4,256.44
November,	1,984.67	28.32		925.27	2,938.26
December,	1,912.50			1,538.10	3,450.60
	$19,416.83	$7,646.81	$803.06	$11,327.56	$39,194.26

EXPENDITURE IN DETAIL FOR OUTSIDE RELIEF IN 1892.

MONTHS.	Groceries.	Lunatic Hospitals.	Cities and Towns.	Cash Orders.	Salaries and Travel.	Physician and Medicine.	Burials.	Boots and Clothing.	Transportation.	Horse-hire.	Office Expense.	Board Outside.	Wood and Coal Yard.	Totals.
January,	$763.50	$1,935.71	$75.69	$120.30	$149.99	$140.00	$44.50	$13.44	$3.65		$4.33		$432.15	$3,683.26
February,	803.75		31.91	91.50	154.41	135.00	110.00	5.65	9.60	$3.00	1.80	$60.43	512.18	1,919.23
March,	902.50		106.64	97.00	154.16	136.25	160.00		1.15	3.25	27.00		308.26	1,896.21
April,	704.60	1,912.09	43.00	119.00	254.16	135.00	58.00	14.50	23.61	14.00	3.70	23.50	263.03	3,568.19
May,	788.00		16.64	117.90	154.91	135.00	76.50		62.83	3.00		30.00	121.70	1,506.48
June,	624.90			105.85	154.16	135.00	33.00	2.00	2.75	2.50		96.35	48.30	1,204.81
July,	859.50	1,885.09	294.44	108.20	154 16	135.00	48.00	7.50	107.00	3.75	12.40	23.50	99.49	3,738.03
August,	542.00			118.50	254.16	135.00	195.00	12.00	1.15			30.00	46.30	1,334.11
September,	990.00	21.96	211.87	110.75	154.16	138.75	40.00	2.00	24.50	7.00	27.60	45.00	178.29	1,951.88
October,	596.50	1,863.64	22.87	110.00	154.41	139.10	63.00		37.45	11.75	1.50	73.69	65.10	3,139.01
November,	762.50	28.32		111.50	154.91	142.50	64.00		131.00	1.00	.40	40.00	576.86	2,012.99
December,	746.00			103.65	259.11	135.00	177.00	16.02	12.30	17.75	15.69	80.70	349.28	1,912.50
	$9,083.75	$7,646.81	$803.06	$1,314.15	$2,252.70	$1,641.60	$1,069.00	$73.11	$316.99	$67.00	$94.42	$503.17	$3,000.94	$27,866.70

DETAILED EXPENDITURE AT THE ALMSHOUSE, 1892.

Months.	Flour and Grain.	Dry Goods and Clothing.	Beef, Fish, &c.	Groceries.	Shoes, Hats, and Leather.	Furniture and Crockery.	Hardware.	Fuel.	Repairs on Premises.	Carriages, Repairs, and Blacksmithing	Supt., Labor, and Nursing.	Medicines.	Oils, Paints, &c.	Dressing.	Miscellaneous.	Totals.
January,	$122.65	$11.04	$52.92	$190.23	$29.70	$19.00	$5.39	$55.13	$13.89	$17.36	$323.76	$7.00				$848.01
February,	126.47	8.29	77.67	190.67	3.75			11.62	4.36		304.38					727.21
March,	142.11	67.65	80.42	124.64	12.00		4.53	52.87	56.67	117.84	311.76	91.03	$7.00		$12.50 (Globe Gas Light. Hitching horse.)	1,081.02
April,	111.95	6.00	90.32	142.78	8.17	35.55		77.04	.66	1.29	308.05	12.00				793.81
May,	112.10	18.34	75.32	146.25	12.50	1.00		41.00	34.94	2.50	317.83	18.50				780.28
June,	100.36	52.30	74.26	147.73		8.77	77.40	43.70	42.07	104.46	317.38	32.28			21.50 (Telephone.)	1,022.21
July,	112.62	57.06	74.43	96.39	33.65	7.84	22.27	21.13	9.75	11.18	470.76	7.30			27.00 (Mercury. Standard. Use of oxen.)	951.38
August,	76.00	8.00	80.89	122.95	5.00		3.14	39.54	9.15	2.75	346.62		9.00			703.04
September,	96.35	29.25	76.87	143.62	17.90		2.35	71.62	10.17	43.57	315.55	32.55				839.80
October,	131.59	14.85	85.65	164.90		3.08	1.43	402.78	2.75		310.40					1,117.43
November,	144.49	75.45	78.91	141.71	11.50	.75	3.55	104 86	2.10		350.43	8.00	3.52			925.27
December,	124.90	49.08	79.57	165.31	25.64	30.11	16.95		82.80	90.79	322.91	79.29	23.59	$418.16	29.00 (Hitching horse. Telephone.)	1,538.10
Totals,	$1,401.59	$397.31	$927.23	$1,777.18	$159.81	$106.10	$137.01	$921.29	$269.31	$391.98	$3,999.83	$287.95	$43.11	$418.16	$90.00	$11,327.56

STATISTICS OF OUTSIDE RELIEF.

Gross cost of persons outside of Almshouse, 1892,	$27,866.70
Receipts from various sources,	6,461.95
	$21,404.75
Amount paid for support of persons in State lunatic hospitals, and in other cities and towns, chargeable to this city,	7,646.81
Leaving as net expenditure in aid of poor residing here, including State paupers and those chargeable to other cities and towns,	$13,757.94
Number of families aided in 1892,	657
" " settlement here,	320
" " settlement elsewhere,	107
" " State paupers,	230
Number of persons aided,	1,745
" " settlement here, males 299, females 546.	
" " settlement elsewhere, males 107, females 50.	
" " State paupers, males 297, females 346.	
Average cost of aid to each family, yearly,	$20.94
Average cost of aid to each person, yearly,	7.88

TRANSPORTATION.

Number of families sent to their homes,	28
" persons sent to their homes,	43
" " State almshouse,	23

BURIALS.

Males 51, females 45,	96

INSANE.

Number of insane at asylums during the year, males 23, females 22,	45
Remaining at city's expense, Dec. 31, 1892,	
At Taunton Lunatic Hospital,	42
Westborough Insane Hospital,	2
Worcester Lunatic Hospital,	1

PAUPERS AIDED ELSEWHERE.

But having settlement here (exclusive of lunatics), families 23, persons 37.

Amount paid for their support in 1892,	$803.06

ALMSHOUSE REGISTER.

Number remaining, Dec. 31, 1891, 72

	Admitted.	Discharged.	Remaining.
January,	15	6	81
February,	5	11	75
March,	4	10	69
April,	9	12	66
May,	5	5	66
June,	11	7	70
July,	3	10	63
August,	11	7	67
September,	15	10	72
October,	11	8	75
November,	8	6	77
December,	11	9	79
	108	101	

Whole number during the year,	180
Discharged during the year,	101
Remaining, December 31, 1892,	79
Average daily number,	72

PRODUCTS OF FARM FOR 1892.

Hay,	112 tons.
Straw,	3 "
Potatoes,	654 bushels.
Oats,	64 "
Barley,	77 "
Beets,	406 "
Carrots,	14 "
Onions,	36 "
Turnips,	245 "
Parsnips,	8 "
Peas,	25 "
String beans,	12 "
Dried beans,	5 "
Sweet corn,	472 doz. ears.
Squashes,	6,045 pounds.
Cabbages,	3,782 heads.
Pork,	7,720 pounds.
Veal,	752 "
Milk,	32,204 quarts.

Celery, tomatoes, and cucumbers, in abundance.

SUMMARY.

Gross expenditures for the year,	$11,327.56
Credits,	1,714.09
	$9,613.47
Average yearly expense of each inmate, including persons committed to the Workhouse,	$103.37
Average monthly expense,	8.61
Average weekly expense,	1.98

WORKHOUSE REGISTER.

Number remaining, December 31, 1891, 28

	Admitted.	Discharged.	Remaining.
January,	3	1	30
February,	1	1	30
March,	0	6	24
April,	1	2	23
May,	3	6	20
June,	3	4	19
July,	2	2	19
August,	3	2	20
September,	1	3	18
October,	4	5	17
November,	1	2	16
December,	4	5	15

Whole number during the year,	54
Discharged during the year,	39
Remaining, December 31, 1892,	15
Average daily number,	21

REPORT

OF THE

PHYSICIAN TO THE BOARD OF OVERSEERS OF THE POOR,

FOR THE YEAR ENDING JANUARY 2, 1893, AS PER MONTHLY RETURNS.

GENTLEMEN:—During the year 1892, acting as physician to your Board, I have made 1,417 house visits, received 594 office calls, and visited the Almshouse 88 times.

I have attended 11 cases of confinement and 40 patients have died.

The work of the year has been substantially the same as in 1891. There has been no serious epidemic of any kind, and much of the illness among the poor has been due to their own carelessness.

The Almshouse has been particularly free from any serious illness.

In retiring from the office of physician, I can extend to my successor no better wish than that he shall receive the same kind and courteous treatment from your Board that has been universally extended to me by all the officials during the past two years.

I am, very respectfully yours,

JOHN T. BULLARD, M. D.

REPORT

OF THE

Superintendent of the City Wood and Coal Yard.

GENTLEMEN:—There has been received at the yard during the year ending December 31, 1892, 271 tons 850 pounds of coal and 172 cords of wood.

Have delivered 243¼ tons of coal and 89 cords of wood on 1,449 orders.

All of which is respectfully submitted.

SAMUEL DAMMON.

1893—City Document No. 12.

ANNUAL REPORT

OF THE

Superintendent of Burial Grounds

FOR THE YEAR 1892.

NEW BEDFORD:
Mercury Publishing Company, Printers to the City.
1893.

REPORT.

To His Honor the Mayor and City Council of the City of New Bedford:

GENTLEMEN, — I present you my second annual Report as Superintendent of Burial Grounds.

During the past year the sextons of Rural and Oak Grove cemeteries, having been placed on salary, have devoted their entire time to the city and have had entire charge of all work performed in the care of lots and also in the general care of the grounds, and I think the lot owners will appreciate the change, as they are all charged a uniform price for labor. We have also started this season the filling and grading of lots, instead of selling them in the rough, as has been done in the past, and I think our cemeteries would be much more attractive if all the lots were filled and graded before they were sold.

In Oak Grove cemetery we have had eight men employed from April to November, and have had two men all winter nearly, engaged in opening graves and in general work about the grounds. In the northeast part of the new grounds we have extended the stone wall north to the Robeson street entrance, a distance of about one hundred fifty feet. We have also cleared up the land along by the wall, removed all the stones and graded the land, so that we will have some good lots for sale and greatly improve that portion of the grounds which has heretofore been used for a dumping ground for stone and

rubbish. We have also six lots which have been filled in and graded, and are now in condition for immediate use. The expense of fitting up these six lots was about $350. The avenues are all in good condition.

The spare land in Oak Grove has been about all sold, and the city will soon be called upon to buy more land adjoining the cemetery, or buy a tract of land in some other section of the city and open up a new cemetery.

The new tomb is about completed and is something that is much needed.

In the Rural cemetery there have been employed eight men from April to November and two men have been employed the greater part of the winter in opening graves and doing general work about the grounds. Some of the old avenues are in rather poor condition on account of the frost the past winter. The main avenue, which was macadamized some years ago, is in very poor condition, and I would recommend that the avenue be concreted early in the spring.

The stone wall in the east part of the new grounds has been extended south a distance of about one hundred feet, and the land cleared, filled in, and surveyed into lots. The uncleared land is in a very rough state, and contains a great many stones, which makes it very expensive to clear up. We have eight lots which have been filled in and are now ready for sale in the west part of the new grounds. These lots were very expensive to clear up, as large boulders were encountered.

I stated in my last Report, that, owing to the city having cut off the brook which supplied the pond with water, there were times in the summer months when the pond was almost dry, and I would recommend that the city procure a suitable fountain and place the same in the centre of the pond and supply the same with city water.

I have the past year issued permits for the removal, burial, and deposit in the receiving tomb, and have obliged such permits to be filled out and given to the sextons before the burial, removal, or depositing in the tomb.

In Pine Grove cemetery there has been little done. I believe the Board of Public Works has accepted a road fifty feet wide from the Tarkiln Hill road to the cemetery, and I think that early this spring the road will be laid out. There has been one sale of lot and I think there should be expended this year $500 in fitting up the grounds.

The old cemetery on Second street was cleared up twice the past season, at an expense of about fifty dollars.

PERPETUAL CARE FUNDS.

March 1, 1893. Total deposits Cemetery funds:

Rural cemetery,	$13,179.93	
Oak Grove cemetery,	8,240.00	
Pine Grove cemetery,	200.00	
Friends' ground,	300.00	$21,919.93

Unexpended interest:

Rural cemetery,	$1,179.03	
Oak Grove cemetery,	613.41	
Pine Grove cemetery,	10.34	
Friends' ground,	18.27	$1,821.05

Number of lots under perpetual care:

Rural cemetery,	134
Oak Grove,	103
Pine Grove,	3
Friends',	3
	243

Amount added since last report:

Rural cemetery,	$3,200.00	25 lots.
Oak Grove cemetery,	1,755.00	22 lots.
Pine Grove cemetery,	100.00	1 lot.
Friends' ground,	200.00	2 lots.
Total,	$5,255.00	50 lots.

Total expenditures for year on lots under perpetual care, $891.61

Receipts and expenditures from March 1, 1892, to March 1, 1893:

Cr.

March 1, 1892. By balance,	$60.36
Appropriation,	2,500.00
Appropriation, special,	2,550.00
Receipts from labor and sale of lots,	8,383.44
Bills receivable,	1,455.78
Total,	$14,949.58

Dr.

Expenditures,	10,816.62
March 1, 1893. By balance,	$4,132.96

On account of the large balance to the credit of cemeteries, the Finance Committee this year decided not to make any appropriation for cemeteries. I am informed that this is the first year since there has been any amount of work done in the cemeteries, that any such balance has been left to their credit. So I feel that the recommendation which I offered, to place the sextons on salary, has proved beneficial to the city.

Total number of burials from January 1st, 1892, to January 1st, 1893, 482.

Respectfully submitted.

STEPHEN D. PEIRCE,

Supt. Burial Grounds.

New Bedford, Mass., March 1, 1893.

In Board of Aldermen,
April 13, 1893.

Received, ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
4 mo. 13, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

1893—City Document No. 13.

Annual Report

OF THE

Inspector of Milk and Provisions

AND

Animals Intended for Slaughter,

FOR THE

YEAR ENDING DEC. 31, 1892.

NEW BEDFORD:
Mercury Publishing Company, Printers to the City.
1893.

In Board of Aldermen,
February 23, 1893.

Received and ordered printed in the City Documents, and sent down for concurrence.

D. B. LEONARD,
City Clerk.

In Common Council,
2d mo. 23, 1893.

Concurred.

WM. A. MACKIE,
Clerk.

REPORT.

NEW BEDFORD, Mass., Dec. 31st, 1892.

To His Honor the Mayor and the Board of Aldermen of the City of New Bedford:

GENTLEMEN,—The Report of this office for the year ending December 31st, 1892, is herewith respectfully submitted:

Milk licenses granted, 271 at 50 cents,	$135.50
Oleomargarine licenses, 9 at 50 cents,	4.50
	$140.00
Samples of milk inspected,	800

Have investigated and settled satisfactorily all complaints made at this office; have killed two cows as being unfit for dairy purposes or for food, and quarantined several while sick.

Have also inspected every cow, calf, and ox owned within the city limits, every three months since June, 1892.

EXPENSES.

Salary,	$600.00
Office rent,	144.00
Telephone,	39.00
Special notices,	25.00
Inspecting cattle,	250.00

Respectfully submitted.

DR. D. C. ASLHEY, Inspector.

ORDINANCES.

In the Year Eighteen Hundred and Ninety-Two.

AN ORDINANCE

Relating to the Bequest of Elizabeth T. Wood for the Benefit of the Free Public Library.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. The bequest of Elizabeth T. Wood of the sum of two thousand dollars, the same to be invested safely, and the income thereof to be expended from time to time under the direction of the Trustees of the Free Public Library, is hereby accepted by the City of New Bedford.

Section 2. The City Treasurer is hereby authorized and directed to receive said sum of two thousand dollars for and on behalf of the city and to credit said sum upon his books as the "Charles L. Wood Free Public Library Fund," and said sum when so received and credited is hereby ordained and declared to be an investment and to be invested safely.

Section 3. The investment set forth in the preceding section shall bear interest at the rate of four per centum per annum, and upon the first days of January and July of

every year the City Treasurer shall compute the interest aforesaid, upon the investment thus made for the benefit of the Free Public Library.

A statement of this computation in detail shall be prepared by the City Treasurer, and forthwith placed in the hands of the Trustees of the Free Public Library. The amount of the interest thus found to have accrued shall be placed to the credit of the Trustees of the Free Public Library upon the books of the City Treasurer, and may be expended by the said Trustees of the Free Public Library for any purpose that may be by them deemed avisable.

Section 4. This Ordinance shall take effect upon its passage.

In Board of Aldermen, December 22, 1892.
Passed to be ordained.
CHAS. S. ASHLEY, Mayor.

In Common Council, December 22, 1892.
Passed to be ordained.
WM. G. KIRSCHBAUM, President.

Approved, December 24th, 1892.
CHAS. S. ASHLEY, Mayor.

A true copy.
Attest: DANIEL B. LEONARD,
City Clerk.

In the Year Eighteen Hundred and Ninety-Three.

AN ORDINANCE

Amending Section Twenty of Chapter Twenty-Three of the Ordinances of the City Relative to Authorizing Expenditures After the Annual Appropriations.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. Section Twenty of Chapter Twenty-three of the Ordinances is amended so as to read as follows:

"Section 20. After the annual appropriations shall have been passed, no subsequent expenditure shall be authorized for any purpose, unless provision for the same shall be made by specific transfer from some of the appropriations contained in the order making the annual appropriations, or by providing that such expenditure shall be payable from unappropriated funds in the city treasury, or by creating therefor expressly a city debt; but no such debt shall be created or transfer made or payment from such unappropriated funds directed, unless the order authorizing the same shall pass by the votes of two-thirds of the whole number of each branch of the City Council voting by yea and nay."

Section 2. This ordinance shall take effect upon its passage.

In Common Council, 5 mo. 16, 1893.
Passed to be ordained.
SAMUEL C. HART, President.

In Board of Aldermen, May 23, 1893.
Passed to be ordained.
J. C. BROCK, Mayor.

Approved, May 24, 1893.
J. C. BROCK, Mayor.

A true copy.
Attest: DANIEL B. LEONARD,
City Clerk.